Index to Volume 11

HYPERTENSION JANUARY-JUNE 1988

AUTHOR INDEX

Key to abbreviations: BC = brief communication; BR = brief review; CC = clinical conference; CR = case report; E = editorial; L = letter; RC = rapid communication; SR = special report. Roman numerals preceding page numbers indicate articles published in supplements.

A

Abboud FM, 586, 608
Abe K, 34, 147
Alderman MH, II-71
Alimento M, 84
Allen J, I-198
Allenby KS, I-225
Almeida JB, I-89
Almog S, 71
Alpert BS, 308
Alpert NM, 217
Alvarado JA, I-33
Alzamora F, I-66
Amery A, 100, 111 (BR)
Amorin MPSG, I-89
Anderson GH Jr, 78
Anderson W, 3 (BR)
Andreatta SH, I-163
Antonio A, I-93
Appalsamy M, 191
Appel RG, 179
Arai H, 692, 697, I-52, I-57, I-80, I-212
Arakawa K, 63
Aristegui PM, I-108
Armando I, I-202
Armentano R, I-103
Arnman V, 597
Averill DB, I-163
Aviv A, 301

B

Bachynsky E, I-38
Baksi SN, 509
Barlai-Kovach M, 217
Barnes KL, 680
Barontini M, I-202
Barra J, I-103
Basso N, I-190
Bauer JH, 452
Bautier P, 153
Baxter JD, 713
Bedran-de-Castro MT, I-178
Bendhack LM, I-112
Benetos A, 754
Berecek KH, I-144, I-148
Berger A, I-182
Bessa AM, I-89
Besse PJ, 495
Bevan JA, 635
Bhalla RC, I-112
Biaggioni I, 191
Bidiville J, 166
Birkenhäger W, 111 (BR)
Blauw GJ, 256
Blumenthal JA, 470
Bobadilla NA, I-33
Bonagamba LGH, I-75
Bonoron-Adèle SM, 495
Bradshaw B, 49
Braun J, 320
Bravo EL, 750, I-207, II-7
Breckenridge A, 111 (BR)
Brigden GS, 464
Brody MJ, 602, I-135, I-186
Brosnihan KB, I-153, I-158, I-172
Bruckert JW, 427
Bruner CA, 668
Brunner HR, 166
Budner N, II-71
Bühler FR, 111 (BR), 573
Bumpus FM, I-38
Buonissimo S, 457
Burris JF, I-225
Buu NT, I-47

C

Cabral AM, I-93
Cabrera E, I-103
Campagnole-Santos MJ, I-167
Cantin M, 185, I-3, I-47
Capozi A, 92
Carbonell LF, 239, I-84
Cardini JF, I-66
Carey RM, I-69
Carilli CT, 713
Carretero OA, 239, 392 (RC), I-84
Cassis LA, 591
Cavero I, 360
Cermeño JL, I-33
Cezareti ML, I-89
Chai SY, 230
Challoner-Hue L, 745
Chang PC, 256
Chapleau MW, 586
Chappell MC, I-153, I-158
Chatelain RE, I-130
Chekal MA, 613
Chen Y-F, 55, 739
Chernicky CL, I-153
Chevalier RL, I-69
Chiang R, 78
Chiba S, 147
Chiou W-F, 514
Cirillo M, 285 (CR)
Clapham DE, 563
Cohen H, II-71
Conrad KA, 282 (BC)
Cornman C, I-98
Correia JA, 217
Corsato M, 550
Corvol P, 153
Coshatt G, I-144
Costantino G, 457
Cottier C, 483
Coulston A, 244
Covi G, 550
Cowley AW Jr, 537, 685, I-25
Cox BF, I-186
Cragoe EJ Jr, 445
Creek RD, 651
Cupples LA, II-45
Curb JD, II-51
Cuspidi C, 92
Cusson JR, I-3

D

D'Agostino RB, II-45
Dakshinamurti K, 387
Daniel EE, I-117
Daniels SR, 249
Dardik BN, I-130
Davies PF, 563
Davis CE, 249
Debinski W, I-47
De Chiara F, 264
de Divitiis O, 457
Degan M, 550
de Gasparo MM, 209
del Collado F, I-194
De-Ping Lee D, I-198
DeQuattro V, I-198
de Simone G, 457
DeSimone JA, 519
Dianzumba SB, I-98
DiBona GF, 326, 334
Diederich D, 573
Di Lorenzo L, 457
Di Muro M, 264
DiPette D, I-98
Distler A, 111 (BR), 320
Diz DI, I-139, I-167
Dorhout Mees EJ, 160
Dormandy J, 111 (BR)
Doyle A, 111 (BR)
Dudley F, 3 (BR)

Index to Volume 11

HYPERTENSION JANUARY-JUNE 1988

AUTHOR INDEX

Key to abbreviations: BC = brief communication; BR = brief review; CC = clinical conference; CR = case report; E = editorial; L = letter; RC = rapid communication; SR = special report. Roman numerals preceding page numbers indicate articles published in supplements.

A

Abboud FM, 586, 608
Abe K, 34, 147
Alderman MH, II-71
Alimento M, 84
Allen J, I-198
Allenby KS, I-225
Almeida JB, I-89
Almog S, 71
Alpert BS, 308
Alpert NM, 217
Alvarado JA, I-33
Alzamora F, I-66
Amery A, 100, 111 (BR)
Amorin MPSG, I-89
Anderson GH Jr, 78
Anderson W, 3 (BR)
Andreatta SH, I-163
Antonio A, I-93
Appalsamy M, 191
Appel RG, 179
Arai H, 692, 697, I-52, I-57, I-80, I-212
Arakawa K, 63
Aristegui PM, I-108
Armando I, I-202
Armentano R, I-103
Arnman V, 597
Averill DB, I-163
Aviv A, 301

B

Bachynsky E, I-38
Baksi SN, 509
Barlai-Kovach M, 217
Barnes KL, 680
Barontini M, I-202
Barra J, I-103
Basso N, I-190
Bauer JH, 452
Bautier P, 153
Baxter JD, 713
Bedran-de-Castro MT, I-178
Bendhack LM, I-112
Benetos A, 754
Berecek KH, I-144, I-148
Berger A, I-182
Bessa AM, I-89
Besse PJ, 495
Bevan JA, 635
Bhalla RC, I-112
Biaggioni I, 191
Bidiville J, 166
Birkenhäger W, 111 (BR)
Blauw GJ, 256
Blumenthal JA, 470
Bobadilla NA, I-33
Bonagamba LGH, I-75
Bonoron-Adèle SM, 495
Bradshaw B, 49
Braun J, 320
Bravo EL, 750, I-207, II-7
Breckenridge A, 111 (BR)
Brigden GS, 464
Brody MJ, 602, I-135, I-186
Brosnihan KB, I-153, I-158, I-172
Bruckert JW, 427
Bruner CA, 668
Brunner HR, 166
Budner N, II-71
Bühler FR, 111 (BR), 573
Bumpus FM, I-38
Buonissimo S, 457
Burris JF, I-225
Buu NT, I-47

C

Cabral AM, I-93
Cabrera E, I-103
Campagnole-Santos MJ, I-167
Cantin M, 185, I-3, I-47
Capozi A, 92
Carbonell LF, 239, I-84
Cardini JF, I-66
Carey RM, I-69
Carilli CT, 713
Carretero OA, 239, 392 (RC), I-84
Cassis LA, 591
Cavero I, 360
Cermeño JL, I-33
Cezareti ML, I-89
Chai SY, 230
Challoner-Hue L, 745
Chang PC, 256
Chapleau MW, 586
Chappell MC, I-153, I-158
Chatelain RE, I-130
Chekal MA, 613
Chen Y-F, 55, 739
Chernicky CL, I-153
Chevalier RL, I-69
Chiang R, 78
Chiba S, 147
Chiou W-F, 514
Cirillo M, 285 (CR)
Clapham DE, 563
Cohen H, II-71
Conrad KA, 282 (BC)
Cornman C, I-98
Correia JA, 217
Corsato M, 550
Corvol P, 153
Coshatt G, I-144
Costantino G, 457
Cottier C, 483
Coulston A, 244
Covi G, 550
Cowley AW Jr, 537, 685, I-25
Cox BF, I-186
Cragoe EJ Jr, 445
Creek RD, 651
Cupples LA, II-45
Curb JD, II-51
Cuspidi C, 92
Cusson JR, I-3

D

D'Agostino RB, II-45
Dakshinamurti K, 387
Daniel EE, I-117
Daniels SR, 249
Dardik BN, I-130
Davies PF, 563
Davis CE, 249
Debinski W, I-47
De Chiara F, 264
de Divitiis O, 457
Degan M, 550
de Gasparo MM, 209
del Collado F, I-194
De-Ping Lee D, I-198
DeQuattro V, I-198
de Simone G, 457
DeSimone JA, 519
Dianzumba SB, I-98
DiBona GF, 326, 334
Diederich D, 573
Di Lorenzo L, 457
Di Muro M, 264
DiPette D, I-98
Distler A, 111 (BR), 320
Diz DI, I-139, I-167
Dorhout Mees EJ, 160
Dormandy J, 111 (BR)
Doyle A, 111 (BR)
Dudley F, 3 (BR)

Dunbar JB, I-233
Dunn MJ, 179
Dyer AR, 269

E

Ebert TJ, 537
Ebihara A, 491
Eide IF, 477
Ekelund L-G, 470
Enero MA, I-108
Engelman K, II-30
Enger E, 477
Erdös EG, 299 (L)
Esler M, 3 (BR)
Ewens JD, 523

F

Fagan TC, 282 (BC)
Fagard R, 100
Fejes-Tóth G, 392 (RC)
Felder RA, I-69
Fenoy F, 339
Ferrario CM, 680, I-139, I-153, I-158, I-163, I-167, I-172
Ferrier C, 483
Fineberg NS, 141
Fink GD, 668
Fitz AE, 529
Floras JS, 273
Folkow B, 597
Forgac S, I-38
Forte G, I-194
Fouad-Tarazi FM, I-207, II-84
Franco-Saenz R, 433
Franzese A, 264
Frishman WH, II-21
Frohlich ED, III (BR), I-19, I-222, II-67
Fujimura A, 491
Fujita K, I-126

G

Gabbai FB, I-33
Gaillard CA, 160
Galletti F, 285 (CR)
Ganguli MC, 579
Garay R, 41
Garcia R, 185, 502
Gauquelin G, 185
Gavras H, 754, I-217, II-37
Gavras I, 754, I-217, II-37
Geisbuhler BB, 627
Genest J, I-3, I-47
Gennings C, 519
German PS, II-56
Giannattasio C, 92
Gifford RW Jr, I-207, II-65, II-101
Gill JR Jr, 312
Giumetti D, 269
Gjesdal K, 477
Göthberg G, 597
Goto A, 645
Gotzen R, 320
Graham RM, 352
Grassi G, 92
Greene AS, 685
Greene LJ, I-153
Grellet JP, 495
Guazzi MD, 84
Güllner HG, 312
Gutkowska J, I-3, I-62

H

Haber E, 1 (E)
Haddy FJ, 445
Hagaman RM, 282 (BC)
Hajduczok G, 586
Halkin H, 71
Halpern W, 440
Hames CG, 249
Hamory A, 452
Hansson L, 111 (BR)
Harshfield GA, 545
Hasking G, 3 (BR)
Hassan MO, 273
Heber ME, 464
Hedner T, 111 (BR)
Heiss G, 249
Hernandez I, 339
Herrera-Acosta J, I-33
Heusser CH, 209
Higashimori K, 223
Higuchi S, 674
Hinojosa-Laborde C, 685
Hiwada K, 620, 708
Hollenbeck C, 241
Hollenberg N, 111 (BR)
Hopp L, 301
Horan MJ, I-233
Hosoda K, 697
Howland T, 78
Hughes JM, I-69
Humphreys MH, 397 (BR)

I

Iacone R, 264
Iijima F, I-42
Iijima Y, 708
Ikeda M, 63
Imura H, 692, 697, I-52, I-57, I-80, I-212
Inagami T, 223
Inouye K, 697
Ishiguro T, 645
Ishii M, 28, 645
Ishimitsu T, 28
Itoh H, 692, 697, I-52, I-57, I-80, I-212

J

Jackson B, 230
James GD, 545
Jennings G, 3 (BR)
Jensen H-E, 111 (BR)
Jin H, 55, 739
Johns DW, II-88
Johnston CI, 230
Jones AW, 627
Jones JV, 273
Jones S, 326, 334
Joyner CR, I-98

K

Kadam J, 613
Kageyama Y, 750
Kajiyama G, 703
Kaldunski ML, 657
Kambayashi Y, 697
Kannel WB, II-45
Kaplan NM, II-106
Karlström G, 597
Katholi RE, 651
Khosla MC, I-38
Kido K, 703
King B, I-69
Kjeldsen SE, 477
Klein LE, II-61
Kleinert HD, 613
Knowles WD, 680
Knox FG, 724
Koepke JP, 326, 334
Kohzuki M, 147
Koike H, 708
Kokubu T, 620, 708
Kono T, I-212
Koomans HA, 160
Korner P, 3 (BR)
Krakoff LR, 174
Krieger EM, I-121, I-178
Kuchel O, I-47
Kudo K, 147
Kuriyama S, 301
Kurnjek ML, I-190
Kurtz TW, 106 (L)

L

Lachance D, 502
Lacolley P, 134
Lahiri A, 464
Lakatua DJ, 312
Lake CR, 312
Lakios-Cherpas C, I-38
Lambert G, 3 (BR)
Lamport B, II-71
Lan G, 312
Lande K, 477
Laragh JH, 545
Larochelle P, I-3
Lasker N, 301
Lau A, 452
Laurent S, 134
Laurenzi M, 264
Lawton WJ, 529
Lechi A, 550
Lechi C, 550
Lee RMKW, I-117
Leenen FHH, 376
Lefèvre-Borg F, 360
Lepira B, 100
Leren P, 477
Levenson J, I-103
Levin G, I-202
Lewicki JA, 713
Liao Y, 269
Liard J-F, I-25
Lijnen P, 100
Lin H, 639
Lin S-Y, 397 (BR)
Lindsey CJ, I-126
Liu K, 269
London G, 134
Luft FC, I-229
Luly JR, 613
Lund-Johansen P, 111 (BR)
Lüscher TF, 573
Luther RR, 613

M

Machado BH, 602, I-135
Machado RP, I-66
Macías I, I-194
Mackie MJ, 282 (BC)
Madden DJ, 470
Madeddu P, I-84
Magargal W, I-148
Malik KU, I-42
Maltagliati A, 84
Mancia G, 92
Mancini M, 285 (CR)
Mangiapane ML, 668
Mark AL, 529, 608, 674
Martin D, 613
Martins AS, I-66
Martins TO, I-126
Maruta H, 63
Mathias O, 360
Matsumoto K, 703
Matsuura H, 703
Mauro K, I-98
Maxwell M, II-51
Mayshar PV, 282 (BC)
M'Buyamba-Kabangu J-R, 100
McCann WP, 651
McCanna M, 198
McKenzie R, I-117
Menani JV, I-178
Ménard J, 153
Mendelsohn FAO, 230
Meng Q, 55, 739
Meyer P, 41, 111 (BR)
Meyer-Sabellek W, 320
Michelini LC, I-75
Mierson S, 519
Mikulic LE, I-190
Mills E, 427
Minuz P, 550
Miranda B, 557 (CR)
Mistry M, 758
Mitchell HC, II-34
Mizuno K, 223
Moccia D, 457
Modan M, 71
Mohara O, I-172
Moore TJ, 49
Morgan DA, 674
Morii N, 692, 697, I-52, I-57, I-80, I-212
Morisawa Y, 708
Morrel EM, 563
Morris RC Jr, 106 (L)
Morrison S, I-8
Moser M, 560 (SR)
Moysés MR, I-93
Mroczek WJ, I-225
Mukoyama M, 692, 697, I-52, I-57, I-80, I-212
Mulinari RA, 754, I-217
Mulrow PJ, 433
Muneta S, 708
Murakami E, 708
Murphy JK, 308

N

Nagahama M, I-117
Nakagawa M, 411
Nakai M, 344
Nakamaru M, 223
Nakao K, 692, 697, I-52, I-57, I-80, I-212
Náray-Fejes-Tóth A, 392 (RC)
Narkates AJ, I-144
Nasjletti A, 411, 758
Nushiro N, 34
Nussberger J, 166
Nyborg NCB, 635

O

Oates JA, II-4
Olesen S-P, 563
Oliver JA, 21
Omata K, 147
Ooi WL, II-71
Oparil S, 55, 739, I-144
Opie L, 111 (BR)
Osborn JL, 523
Oshima T, 703
Osikowska BA, 273
Overturf ML, 416
Owens GK, 198

P

Packer S, 387
Page IH, 763
Paluani F, 550
Pamnani MB, 445
Parillo M, 244
Parker D, 269
Paulose CS, 387
Peach MJ, 591, II-88
Pepi M, 84
Perun TJ, 613
Pesquero J, I-153
Pettinger WA, II-34
Pichel R, I-103
Pickering TG, 545, II-96
Plachetka J, I-198
Plattner JJ, 613
Plouin P-F, 153
Pohl M, I-207
Porchet M, 166
Powell WJ Jr, 352
Prince H, 464
Puyo A, I-202

Q

Qu M, 371
Quesada T, 339

R

Rabito CA, 217
Raftery EB, 464
Ragsdale NV, I-69
Ramirez AJ, I-182
Ramos OL, I-14, I-89
Ratts TE, 717
Reams GP, 452
Reaven G, 244
Reid GM, 179
Reis DJ, I-8
Ribeiro AB, I-217
Rinaudo MS, 445
Riva S, 545
Rizzo M, I-158
Robertson D, 191
Robertson I, 111 (BR)
Robertson J, I-144
Robles RG, 557 (CR)
Rodicio J, 557 (CR)
Roman RJ, 523, 657
Romero JC, 557 (CR), 724
Romero L, I-33
Rosati C, 41
Ruggiero DA, I-8
Ruilope L, 557 (CR)
Ruiz L, I-233
Russell RP, II-42
Russo R, I-190

S

Saad CI, I-217
Sabadini E, 92
Safar M, 111 (BR), 134
Saino A, 92
Saito Y, 692, 697, I-52, I-57, I-80, I-212
Sakaguchi K, 230
Sakamoto M, I-80
Salgado HC, I-121
Sampieri L, 92
Sancho-Rof J, 557 (CR)
Santos RAS, I-66, I-153, I-163
Saragoça MA, I-89
Sasaguri M, 63
Sato M, 147
Saxenhofer H, 483
Saye J, 591
Schalekamp M, 111 (BR)
Schiavone MT, I-158
Schiffrin EL, 185
Schneider K, II-51
Schoen FJ, 563
Schulte K-L, 320
Schwartz SM, 198
Scicli AG, 239, I-84
Seino M, 34
Serrurier D, 153
Sever PS, 273
Sharma RV, I-112
Shasby DM, 586
Shaw SG, 483
Shefi M, 71
Shier D, 433
Shiono S, 692, 697, I-52, I-57, I-80, I-212
Shukla SD, 627
Shulman N, II-51
Simon A, I-103
Sinkey CA, 529
Sirgo M, I-198
Sirois P, I-62
Skelton MM, 537
Sleight P, 273
Smith JB, 141
Smith JM, 627
Smith LM, 713
Smulyan H, 78
Somers VK, 608
Sprunger AE, I-158
Stamler J, 269
Steele TH, 745
Stephens NL, 387
Stewart JM, 239
Stokes J III, II-45
Strauss HW, 217
Strazzullo P, 285 (CR)
Streeten DHP, 78
Suda S, 483
Sugawara A, 692, 697, I-52, I-57, I-80, I-212
Sugimoto T, 28, 579, 645
Sullivan JM, 717
Supple EW, 352
Symoens J, 111 (BR)

T

Taegtmeyer H, 416
Takagi Mari, 433
Takagi Masao, 433
Takahashi K, 620
Talman WT, 664
Tamaki N, 217
Tamura H, 301
Tanno M, 147
Tapia E, I-33
Tarazi RC, I-207
Tariosse LJ, 495
Tavares A, I-89
Taylor JO, II-51
Tesfamariam B, 440
Tobian L, 579
Townsend R, I-98
Trap-Jensen J, 111 (BR)
Tremblay JM, 371
Trevisan M, 264
Trolliet MR, I-190
Tseng C-J, 191
Tshiani K, 100
Tsoporis J, 376
Tsunoda K, 147
Tyroler HA, 249

U

Ubeda M, 339
Uehara Y, 28
Ueno Y, I-172

V

Vaccaro O, 264
van Brummelen P, 256
Vanhoutte PM, 111 (BR), 573
van Zwieten PA, 256
Vasquez EC, I-93
Vermeij P, 256
Vidt DG, I-207, II-76
Vigne J-L, 713

W

Wade MB, 141
Waeber B, 166
Waeber G, 166
Walker SS, 308
Wallace LC, 713
Webb RC, 668
Weber E, 573, I-98
Weber MA, 288 (CC)
Webster JG, 371
Wegscheider K, 320
Weidmann P, 483
Weinberger MH, 141, I-229, II-16
Welter ME, 519
Wen S-F, 371
Westheim A, 477
Willett I, 3 (BR)
Willey ES, 308
Wilson KM, I-144, I-148
Wong MA, 713
Wood AJJ, II-1
Wood JM, 209
Woods JW, II-11
Wu C-C, 514
Wyss JM, 55

Y

Yabe Y, 708
Yagil Y, 174
Yamada K, 645
Yamada T, 692, 697, I-52, I-57, I-80, I-212
Yamamoto J, 344
Yang R-H, 739
Yasujima M, 147
Yee LS, 545
Yen M-H, 514
Yoshinaga K, 34, 147
Yoshioka M, 645
Young DB, 639

Z

Zanchetti A, 111 (BR)
Zanella MT, I-217

Index to Volume 11

HYPERTENSION JANUARY-JUNE 1988

SUBJECT INDEX

Key to abbreviations: BC = brief communication; BR = brief review; CC = clinical conference; CR = case report; E = editorial; L = letter; RC = rapid communication; SR = special report. Roman numerals preceding page numbers indicate articles published in supplements.

A

Acetylcholine
Endothelial communication. State of the art lecture, 563
Endothelium-dependent and endothelium-independent vasodilation in resistance arteries from hypertensive rats, 440
Endothelium-dependent responses in carotid and renal arteries of normotensive and hypertensive rats, 573
High potassium diets protect against dysfunction of endothelial cells in stroke-prone spontaneously hypertensive rats, 579

Adenosine
Endogenous intrarenal adenosine preserves renal blood flow in one-kidney, one clip rats, 651
Partially endothelium-dependent vasodilator effect of adenosine in rat aorta, 514
Purinergic receptors in the brainstem mediate hypotension and bradycardia, 191

Adipose tissue
Location and regulation of rat angiotensinogen messenger RNA, 591

Adrenal gland
Abnormal regulation of adrenal angiotensin II receptors in spontaneously hypertensive rats, 49
Atrial natriuretic polypeptide in bovine adrenal medulla, 692
The differential effect of aldosterone and dexamethasone on pressor responses in adrenalectomized rats, 174
Effect of atrial natriuretic factor on calcium fluxes in adrenal glomerulosa cells, 433
Vascular and adrenal reninlike activity in chronically diabetic rats, 339
Vascular and sympathoadrenal responses to bradykinin and a bradykinin analogue, 754

Adrenergic receptor blockade
β-Adrenergic receptor blockers: adverse effects and drug interactions, II-21
Effects of β-blockade and exercise on cardiovascular and cognitive functioning, 470
Factors influencing blood pressure and heart rate variability in hypertensive humans, 273
Factors that contribute to resistant forms of hypertension: pharmacological considerations, II-88
Left ventricular function in mild hypertension after adrenergic blockade, I-98

Adrenergic receptors
Altered biochemical and functional responses in aorta from hypertensive rats, 627
Direct effects of α_2-adrenergic receptor stimulation on intravascular systemic capacity in the dog, 352
Increased α-adrenergic receptor affinity in resistance vessels from hypertensive rats, 635
Pressor mechanisms linked obligatorily to spontaneous hypertension in the rat, 427
Role of the sympathetic nervous system in blood pressure maintenance and in the antihypertensive effects of calcium antagonists in spontaneously hypertensive rats, 360
Sodium responsiveness of central α_2-adrenergic receptors in spontaneously hypertensive rats, 326

Age
Compliance and blood pressure control, II-61
Compliance and chronic disease, II-56
Factors influencing blood pressure and heart rate variability in hypertensive humans, 273
Individual responses to converting enzyme inhibitors and calcium antagonists, 166

Aldosterone
Abnormal regulation of adrenal angiotensin II receptors in spontaneously hypertensive rats, 49
The differential effect of aldosterone and dexamethasone on pressor responses in adrenalectomized rats, 174
Effect of atrial natriuretic factor on calcium fluxes in adrenal glomerulosa cells, 433
Hypertensive mechanisms associated with centrally administered aldosterone in dogs, 750
Sodium sensitivity in human subjects: hemodynamic and hormonal correlates, 717

Aldosteronism
Atrial natriuretic factor in essential hypertension and adrenal disorders, I-212
Clinical implications of primary aldosteronism with resistant hypertension, I-207
Sodium transport parameters in erythrocytes of patients with primary aldosteronism, 141

Amino acids
Evaluating hyperfiltration with glycine in hypertensive rats with renal ablation, I-33
Glycine microinjected in the rat dorsal vagal nucleus increases arterial pressure, 664
Renal effects of amino acid infusions in patients with panhypopituitarism, 557 (CR)

γ-Aminobutyric acid
Role of the nucleus ambiguus in the regulation of heart rate and arterial pressure, 602
Sympathetic stimulation and hypertension in the pyridoxine-deficient adult rat, 387

Angiotensin
Angiotensin converting enzyme inhibitors: properties and side effects, II-37
Constricting and stiffening action of atropine on aortic response to angiotensin in dogs, I-103
The differential effect of aldosterone and dexamethasone on pressor responses in adrenalectomized rats, 174
Inhibition of tissue angiotensin converting enzyme: quantitation by autoradiography, 230

Angiotensin I
Formation of angiotensin II by tonin-inhibitor complex, 63
Local generation and release of angiotensin II in peripheral vascular tissue, 223
Mechanism of inhibition of human renin by monoclonal antibodies, 209
Angiotensin II
Abnormal regulation of adrenal angiotensin II receptors in spontaneously hypertensive rats, 49
Angiotensin analogues that selectively augment the force of contraction of the isolated heart, I-38
Atrial natriuretic factor in essential hypertension and adrenal disorders, I-212
Atrial natriuretic factor release by angiotensin II in the conscious rat, 502
Baroreceptor reflex modulation by angiotensin II at the nucleus tractus solitarii, I-167
Bidirectional transport of angiotensin II binding sites in the vagus nerve, I-139
Contribution of vasopressin in dexamethasone-induced hypertension in rats, I-42
Converting enzyme activity and angiotensin metabolism in the dog brainstem, I-153
Diabetes mellitus and hypertension. State of the art lecture, I-14
Enalapril attenuates natriuresis of atrial natriuretic factor in humans, 160
Formation of angiotensin II by tonin-inhibitor complex, 63
Implication of leumorphin in inhibitory control of vasopressin secretion in conscious rats, I-80
In vivo release of angiotensin II from the rat hypothalamus, I-158
Local generation and release of angiotensin II in peripheral vascular tissue, 223
Long-term captopril treatment: angiotensin II receptors and responses, I-148
Neuronal responses to angiotensin II in the in vitro slice from the canine medulla, 680
Peptide hormones and the regulation of sodium excretion, 397 (BR)
Role of angiotensin II in renal prostaglandin E_2 production after furosemide administration, 491
Role of pressor prostanoids in rats with angiotensin II-salt–induced hypertension, 758
The ventrolateral medulla: a new site of action of the renin-angiotensin system, I-163
Angiotensinogen
Location and regulation of rat angiotensinogen messenger RNA, 591
Mechanism of inhibition of human renin by monoclonal antibodies, 209
Purification and partial characterization of canine angiotensinogen, 21
Antibodies
Mechanism of inhibition of human renin by monoclonal antibodies, 209
Antihypertensive agents
Antagonism of antihypertensive drug therapy by nonsteroidal anti-inflammatory drugs, II-4
Antihypertensive drug side effects in the Hypertension Detection and Follow-up Program, II-51
Classification of resistant hypertension, II-67
Clinical pharmacology of calcium antagonists. Satellite symposium on calcium antagonists, I-222
Crossover design to test antihypertensive drugs with self-recorded blood pressure, 153
Diuretics and their side effects: dilemma in the treatment of hypertension, II-16
Drug interactions in hypertension, II-1
Effect of nifedipine on renal function in patients with essential hypertension, 452
Factors that contribute to resistant forms of hypertension: pharmacological considerations, II-88
Hypertension, antihypertensive treatment, and sudden coronary death: the Framingham Study, II-45
Individual responses to converting enzyme inhibitors and calcium antagonists, 166
Labetalol blunts morning pressor surge in systolic hypertension, I-198
Prevalence of drug resistant hypertension, II-71
Review of salt restriction and the response to antihypertensive drugs. Satellite symposium on calcium antagonists, I-229
Serotoninergic mechanisms in hypertension: focus on the effects of ketanserin, 111 (BR)
Side effects of sympatholytic antihypertensive drugs, II-30
Side effects of vasodilator therapy, II-34
Some highlights of the Fourth Joint National Committee Report on the Detection, Evaluation, and Treatment of High Blood Pressure, 560 (SR)
Summary of the workshop: National Institutes of Health Workshop on Drug Side Effects, Drug-Drug Interactions, Drug Resistance, and Patient Compliance in the Management of Hypertension, II-106
Anti-inflammatory drugs
Antagonism of antihypertensive drug therapy by nonsteroidal anti-inflammatory drugs, II-4
Aorta
Altered biochemical and functional responses in aorta from hypertensive rats, 627
Constricting and stiffening action of atropine on aortic response to angiotensin in dogs, I-103
Effect of nucleus ambiguus lesion on the development of neurogenic hypertension, I-135
Increased DNA replication in the arterial adventitia after aortic ligation, I-130
Location and regulation of rat angiotensinogen messenger RNA, 591
Arrhythmias
Diuretics and their side effects: dilemma in the treatment of hypertension, II-16
Arteries (*see also* Carotid artery, Renal artery)
Activated endothelial cells in culture suppress baroreceptors in the carotid sinus of dog, 586
Area postrema ablation and vascular reactivity in deoxycorticosterone-salt–treated rats, 668
Endothelium-dependent responses in carotid and renal arteries of normotensive and hypertensive rats, 573
Functional versus structural changes of forearm vascular resistance in hypertension, 320
Hemodynamics of the carotid artery after vasodilation in essential hypertension, 134
High potassium diets protect against dysfunction of endothelial cells in stroke-prone spontaneously hypertensive rats, 579
Vasopressin and arterial pressure regulation. Special lecture, I-25
Aspirin
Antagonism of antihypertensive drug therapy by nonsteroidal anti-inflammatory drugs, II-4
Atenolol
Effects of β-blockade and exercise on cardiovascular and cognitive functioning, 470
Intracellular sodium and the response to nitrendipine or atenolol in African blacks, 100
Atherosclerosis
Increased DNA replication in the arterial adventitia after aortic ligation, I-130
Atrial natriuretic factor
Atrial natriuretic factor immunoreactivity in human fetal lung tissue and perfusates, I-62
Atrial natriuretic factor in essential hypertension and adrenal disorders, I-212
The atrial natriuretic factor in hypertension. State of the art lecture, I-3
Atrial natriuretic factor in mild to moderate chronic renal failure, 483
Atrial natriuretic factor release by angiotensin II in the conscious rat, 502
Atrial natriuretic polypeptide in bovine adrenal medulla, 692
Brain renin-angiotensin: central control of secretion of atrial natriuretic factor from the heart, I-57
Dynamic cardiovascular responses to infusions of atrial natriuretic factor in humans, 537
Effect of atrial natriuretic factor on calcium fluxes in adrenal glomerulosa cells, 433
Effects of atrial natriuretic factor and vasopressin on cyclic nucleotides in cultured kidney cells, 392 (RC)

Effects of intravenously administered β-human atrial natriuretic polypeptide in humans, 697
Enalapril attenuates natriuresis of atrial natriuretic factor in humans, 160
Ganglionic immunoreactive atrial natriuretic factor in rat experimental hypertension, I-47
Genetics and salt modulate renal responses to atrial natriuretic factor, 745
Impaired release of atrial natriuretic factor in NaCl-loaded spontaneously hypertensive rats, 739
Nifedipine enhances the vasodepressor and natriuretic effects of atrial natriuretic peptide, 34
Peptide hormones and the regulation of sodium excretion, 397 (BR)
Renal glomerular atrial natriuretic factor receptors in one-kidney, one clip rats, 185
Secretion of N-terminal fragment of γ-human atrial natriuretic polypeptide, I-52

Atropine
Constricting and stiffening action of atropine on aortic response to angiotensin in dogs, I-103

Autonomic dysfunction
The role of vasopressin in blood pressure maintenance in diabetic orthostatic hypotension, I-217

Awards
CIBA Award for Hypertension Research, 767
Fourth annual Marion Hypertension Research Clinical Fellowship Award, 768

B

Baroreceptor reflexes
Activated endothelial cells in culture suppress baroreceptors in the carotid sinus of dog, 586
Baroreceptor reflex modulation by angiotensin II at the nucleus tractus solitarii, I-167
Baroreceptor reflex modulation by vasopressin microinjected into the nucleus tractus solitarii of conscious rats, I-75
Bidirectional transport of angiotensin II binding sites in the vagus nerve, I-139
Cardiopulmonary receptor modulation of plasma renin activity in normotensive and hypertensive subjects, 92
The C1 area of the brainstem in tonic and reflex control of blood pressure. State of the art lecture, I-8
Characteristics of hormonal and neurogenic mechanisms of deoxycorticosterone-induced hypertension, I-172
Factors influencing blood pressure and heart rate variability in hypertensive humans, 273
Hemodynamics of the carotid artery after vasodilation in essential hypertension, 134
Influence of the anteroventral third ventricle region and sinoaortic denervation on the pressor response to carotid occlusion, I-178
Role of the nucleus ambiguus in the regulation of heart rate and arterial pressure, 602
Vasopressin and arterial pressure regulation. Special lecture, I-25

Baroreceptors
Extent of baroreceptor resetting in response to sodium nitroprusside and verapamil, I-121

Black population
A higher cellular sodium turnover rate in cultured skin fibroblasts from blacks, 301
Intracellular sodium and the response to nitrendipine or atenolol in African blacks, 100
Race and cardiovascular reactivity: a replication, 308
Race and sex differences in the correlates of blood pressure change, 249

Blood flow
The antihypertensive mechanism of verapamil: alteration of glomerular filtration rate regulation, 639
Autoregulation of the systemic circulation in conscious rats, 685
Cardiac hypertrophy in hypertension: repolarization abnormalities elicited by rapid lowering of pressure, 84
The effect of captopril on renal blood flow in renal artery stenosis assessed by positron tomography with rubidium-82, 217
Endogenous intrarenal adenosine preserves renal blood flow in one-kidney, one clip rats, 651
Mechanisms underlying pressure-related natriuresis: the role of the renin-angiotensin and prostaglandin systems. State of the art lecture, 724
Renal cortical and papillary blood flow in spontaneously hypertensive rats, 657

Blood pressure
Activation of the humoral antihypertensive system of the kidney increases diuresis, 597
Area postrema ablation and vascular reactivity in deoxycorticosterone-salt–treated rats, 668
Atrial natriuretic factor in mild to moderate chronic renal failure, 483
Atrial natriuretic factor release by angiotensin II in the conscious rat, 502
Autoregulation of the systemic circulation in conscious rats, 685
Baroreceptor reflex modulation by angiotensin II at the nucleus tractus solitarii, I-167
Blood pressure monitoring outside the office for the evaluation of patients with resistant hypertension, II-96
The C1 area of the brainstem in tonic and reflex control of blood pressure. State of the art lecture, I-8
Classification of resistant hypertension, II-67
A comparison of the random-zero and standard mercury sphygmomanometers, 269
Compliance and blood pressure control, II-61
Contribution of vasopressin in dexamethasone-induced hypertension in rats, I-42
The Council for High Blood Pressure Research: its origin and purposes, 763
Crossover design to test antihypertensive drugs with self-recorded blood pressure, 153
Diabetes mellitus and hypertension. State of the art lecture, I-14
Dietary salt produces abnormal renal vasoconstrictor responses to upright posture in borderline hypertensive subjects, 529
Diltiazem and left ventricular hypertrophy in renovascular hypertensive rats, 495
Diuretics and their side effects: dilemma in the treatment of hypertension, II-16
Dynamic cardiovascular responses to infusions of atrial natriuretic factor in humans, 537
The effect of a community hypertension control program (Cuba), I-194
Effect of central serotonin depletion on blood pressure and the renin system in rats, I-190
Effect of 6-iodoamiloride in various models of experimental hypertension, 445
Effect of nifedipine on renal function in patients with essential hypertension, 452
Effects of a kinin antagonist on mean blood pressure, I-84
Effects of intravenously administered β-human atrial natriuretic polypeptide in humans, 697
Effects of moderate hypertension on cardiac function and metabolism in the rabbit, 416
Effects of the renin inhibitor A-64662 in monkeys and rats with varying baseline plasma renin activity, 613
Effects of thyroid function on blood pressure: recognition of hypothyroid hypertension, 78
Enhanced phospholipase C activity in the vascular wall of spontaneously hypertensive rats, 28
Extent of baroreceptor resetting in response to sodium nitroprusside and verapamil, I-121
Factors contributing to resistant hypertension: cardiac considerations, II-84
Factors influencing blood pressure and heart rate variability in hypertensive humans, 273
Factors that contribute to resistant forms of hypertension: pharmacological considerations, II-88
Functional versus structural changes of forearm vascular resistance in hypertension, 320
Glycine microinjected in the rat dorsal vagal nucleus increases arterial pressure, 664
A highly potent and long-acting oral inhibitor of human renin, 708
High NaCl diet reduces hypothalamic norepinephrine turnover in hypertensive rats, 55

Hypertension in Latin America. Special report, I-233
Hypertensive mechanisms associated with centrally administered aldosterone in dogs, 750
Hypotensive action of parathyroid hormone in hypoparathyroid and hyperparathyroid rats, 509
Hypotensive spinal serotonergic effect: are S_1 or S_2 receptors involved? I-182
Impaired release of atrial natriuretic factor in NaCl-loaded spontaneously hypertensive rats, 739
An impedance method for blood pressure measurement in awake rats without preheating, 371
Individual responses to converting enzyme inhibitors and calcium antagonists, 166
Is there a relationship between ambulatory intra-arterial blood pressure and left ventricular function? 464
Labetalol blunts morning pressor surge in systolic hypertension, I-198
Mechanisms underlying pressure-related natriuresis: the role of the renin-angiotensin and prostaglandin systems. State of the art lecture, 724
Nifedipine enhances the vasodepressor and natriuretic effects of atrial natriuretic peptide, 34
Oral contraceptives and hypertension, II-11
Phenylpropanolamine and other over-the-counter vasoactive compounds, II-7
Plasma and urinary catecholamines in salt-sensitive idiopathic hypertension, 312
Plasma kinin concentration in deoxycorticosterone-salt hypertension, 411
Prevalence of drug resistant hypertension, II-71
Race and sex differences in the correlates of blood pressure change, 249
Recommendations for human blood pressure determination by sphygmomanometers: report of a special task force appointed by the Steering Committee, American Heart Association, 209A
The reproducibility of average ambulatory, home, and clinic pressures, 545
Resistant hypertension: introduction and definitions, II-65
Role of cellular calcium in salt sensitivity of patients with essential hypertension, 703
Role of pressor prostanoids in rats with angiotensin II-salt–induced hypertension, 758
Role of the nucleus ambiguus in the regulation of heart rate and arterial pressure, 602
Role of the sympathetic nervous system in blood pressure maintenance and in the antihypertensive effects of calcium antagonists in spontaneously hypertensive rats, 360
The role of vasopressin in blood pressure maintenance in diabetic orthostatic hypotension, I-217
Serotoninergic mechanisms in hypertension: focus on the effects of ketanserin, 111 (BR)
Single versus triplicate measurements of blood pressure and heart rate, 282 (BC)
Sodium depletion increases platelet and plasma catecholamines in hypertensive men, 477
Sodium sensitivity in human subjects: hemodynamic and hormonal correlates, 717
Some highlights of the Fourth Joint National Committee Report on the Detection, Evaluation, and Treatment of High Blood Pressure, 560 (SR)
Sympathetic stimulation and hypertension in the pyridoxine-deficient adult rat, 387
Total plasma dopamine/norepinephrine ratio in catecholamine-secreting tumors: its relation to hypertension, I-202
Vascular and sympathoadrenal responses to bradykinin and a bradykinin analogue, 754
The ventrolateral medulla: a new site of action of the renin-angiotensin system, I-163
Whole-day blood pressure, 288 (CC)

Borderline hypertension
Dietary salt produces abnormal renal vasoconstrictor responses to upright posture in borderline hypertensive subjects, 529
Factors influencing blood pressure and heart rate variability in hypertensive humans, 273
Potentiation of sympathetic nerve responses to hypoxia in borderline hypertensive subjects, 608
Sodium sensitivity in human subjects: hemodynamic and hormonal correlates, 717

Bradykinin
Activated endothelial cells in culture suppress baroreceptors in the carotid sinus of dog, 586
The central pressor effect of bradykinin in normotensive and hypertensive rats, I-126
Effects of a kinin antagonist on mean blood pressure, I-84
Vascular and sympathoadrenal responses to bradykinin and a bradykinin analogue, 754

Brain
Area postrema ablation and vascular reactivity in deoxycorticosterone-salt–treated rats, 668
Baroreceptor reflex modulation by angiotensin II at the nucleus tractus solitarii, I-167
Baroreceptor reflex modulation by vasopressin microinjected into the nucleus tractus solitarii of conscious rats, I-75
Bidirectional transport of angiotensin II binding sites in the vagus nerve, I-139
Brain renin-angiotensin: central control of secretion of atrial natriuretic factor from the heart, I-57
Captopril and the response to stress in the spontaneously hypertensive rat, I-144
The C1 area of the brainstem in tonic and reflex control of blood pressure. State of the art lecture, I-8
The central pressor effect of bradykinin in normotensive and hypertensive rats, I-126
Effect of central serotonin depletion on blood pressure and the renin system in rats, I-190
Effect of nucleus ambiguus lesion on the development of neurogenic hypertension, I-135
High NaCl diet reduces hypothalamic norepinephrine turnover in hypertensive rats, 55
Hypertensive mechanisms associated with centrally administered aldosterone in dogs, 750
Impaired release of atrial natriuretic factor in NaCl-loaded spontaneously hypertensive rats, 739
Implication of leumorphin in inhibitory control of vasopressin secretion in conscious rats, I-80
Influence of the anteroventral third ventricle region and sinoaortic denervation on the pressor response to carotid occlusion, I-178
Inhibition of tissue angiotensin converting enzyme: quantitation by autoradiography, 230
In vivo release of angiotensin II from the rat hypothalamus, I-158
Long-term captopril treatment: angiotensin II receptors and responses, I-148
Neuronal responses to angiotensin II in the in vitro slice from the canine medulla, 680
Purinergic receptors in the brainstem mediate hypotension and bradycardia, 191
Tidal volume affects the response to inactivation of the rostral ventrolateral medulla, I-186
The ventrolateral medulla: a new site of action of the renin-angiotensin system, I-163

Breeding
Biological variability in Wistar-Kyoto and spontaneously hypertensive rats, 106 (L)

Brief communications
Single versus triplicate measurements of blood pressure and heart rate, 282 (BC)

Brief reviews
Assessment of human sympathetic nervous system activity from measurements of norepinephrine turnover, 3 (BR)
Peptide hormones and the regulation of sodium excretion, 397 (BR)
Serotoninergic mechanisms in hypertension: focus on the effects of ketanserin, 111 (BR)

C

Cadralazine
Hemodynamics of the carotid artery after vasodilation in essential hypertension, 134

Calcium
Activated endothelial cells in culture suppress baroreceptors in the carotid sinus of dog, 586
Contractile response of spontaneously hypertensive rat caudal artery to phorbol esters, I-112
Effect of atrial natriuretic factor on calcium fluxes in adrenal glomerulosa cells, 433
Effects of prostaglandin $F_{2\alpha}$ on vasoconstrictor responses in the mesenteric vascular bed, I-108
The effects of urinary digitalislike factor on cultured vascular smooth muscle cells, 645
Hypotensive action of parathyroid hormone in hypoparathyroid and hyperparathyroid rats, 509
The patient with resistant hypertension: cations, volume, and renal factors, II-76
Peptide hormones and the regulation of sodium excretion, 397 (BR)
Role of cellular calcium in salt sensitivity of patients with essential hypertension, 703
Vascular smooth muscle calponin: a novel troponin T–like protein, 620
Calcium antagonists
Clinical pharmacology of calcium antagonists. Satellite symposium on calcium antagonists, I-222
Diltiazem and left ventricular hypertrophy in renovascular hypertensive rats, 495
Effect of nifedipine on renal function in patients with essential hypertension, 452
Individual responses to converting enzyme inhibitors and calcium antagonists, 166
Nitrendipine in severe hypertension. Satellite symposium on calcium antagonists, I-225
Review of salt restriction and the response to antihypertensive drugs. Satellite symposium on calcium antagonists, I-229
Role of the sympathetic nervous system in blood pressure maintenance and in the antihypertensive effects of calcium antagonists in spontaneously hypertensive rats, 360
Side effects of calcium channel blockers, II-42
Calmodulin
Vascular smooth muscle calponin: a novel troponin T–like protein, 620
Captopril
Captopril and the response to stress in the spontaneously hypertensive rat, I-144
Diabetes mellitus and hypertension. State of the art lecture, I-14
The effect of captopril on renal blood flow in renal artery stenosis assessed by positron tomography with rubidium-82, 217
Local generation and release of angiotensin II in peripheral vascular tissue, 223
Long-term captopril treatment: angiotensin II receptors and responses, I-148
Plasma kinin concentration in deoxycorticosterone-salt hypertension, 411
Role of angiotensin II in renal prostaglandin E_2 production after furosemide administration, 491
Role of thromboxane A_2 in the hypotensive effect of captopril in essential hypertension, 147
Carbohydrate metabolism
Effect of a low fat diet on carbohydrate metabolism in patients with hypertension, 244
Cardiac function
Diltiazem and left ventricular hypertrophy in renovascular hypertensive rats, 495
Direct effects of α_2-adrenergic receptor stimulation on intravascular systemic capacity in the dog, 352
Dynamic cardiovascular responses to infusions of atrial natriuretic factor in humans, 537
Effects of β-blockade and exercise on cardiovascular and cognitive functioning, 470
Effects of moderate diabetes on cardiac performance in spontaneously hypertensive and Wistar-Kyoto rats, 344
Effects of moderate hypertension on cardiac function and metabolism in the rabbit, 416
Factors contributing to resistant hypertension: cardiac considerations, II-84
Is there a relationship between ambulatory intra-arterial blood pressure and left ventricular function? 464
Supernormal contractility in primary hypertension without left ventricular hypertrophy, 457
Cardiac hypertrophy (*see also* Ventricular hypertrophy)
Cardiac hypertrophy in hypertension: repolarization abnormalities elicited by rapid lowering of pressure, 84
Effects of arterial vasodilators on cardiac hypertrophy and sympathetic activity in rats, 376
Pindolol, not propranolol, reverses cardiac hypertrophy in renal hypertensive rats, I-89
Cardiac output
Autoregulation of the systemic circulation in conscious rats, 685
Characteristics of hormonal and neurogenic mechanisms of deoxycorticosterone-induced hypertension, I-172
Vasopressin and arterial pressure regulation. Special lecture, I-25
Cardiopulmonary receptors
Cardiopulmonary receptor modulation of plasma renin activity in normotensive and hypertensive subjects, 92
Cardiovascular reactivity
Race and cardiovascular reactivity: a replication, 308
Cardiovascular risk factors
Hypertension, antihypertensive treatment, and sudden coronary death: the Framingham Study, II-45
Carotid artery
Activated endothelial cells in culture suppress baroreceptors in the carotid sinus of dog, 586
Area postrema ablation and vascular reactivity in deoxycorticosterone-salt–treated rats, 668
Endothelium-dependent responses in carotid and renal arteries of normotensive and hypertensive rats, 573
Hemodynamics of the carotid artery after vasodilation in essential hypertension, 134
Influence of the anteroventral third ventricle region and sinoaortic denervation on the pressor response to carotid occlusion, I-178
Case reports
Development of hypertension after correction of primary hyperparathyroidism, 285 (CR)
Renal effects of amino acid infusions in patients with panhypopituitarism, 557 (CR)
Catecholamines (*see also* Dopamine, Norepinephrine)
Assessment of human sympathetic nervous system activity from measurements of norepinephrine turnover, 3 (BR)
Atrial natriuretic polypeptide in bovine adrenal medulla, 692
Captopril and the response to stress in the spontaneously hypertensive rat, I-144
High NaCl diet reduces hypothalamic norepinephrine turnover in hypertensive rats, 55
Plasma and urinary catecholamines in salt-sensitive idiopathic hypertension, 312
Sodium depletion increases platelet and plasma catecholamines in hypertensive men, 477
Total plasma dopamine/norepinephrine ratio in catecholamine-secreting tumors: its relation to hypertension, I-202
Vascular and sympathoadrenal responses to bradykinin and a bradykinin analogue, 754
Cation imbalance
Altered erythrocyte and plasma sodium and potassium in hypertension, a facet of hyperinsulinemia, 71
Cat studies
Angiotensin analogues that selectively augment the force of contraction of the isolated heart, I-38
The ventrolateral medulla: a new site of action of the renin-angiotensin system, I-163
Cell cultures
Activated endothelial cells in culture suppress baroreceptors in the carotid sinus of dog, 586
Atrial natriuretic polypeptide in bovine adrenal medulla, 692
Characterization of recombinant human prorenin and renin, 713
The effects of urinary digitalislike factor on cultured vascular smooth muscle cells, 645
Cellular hypertrophy
Evaluation of medial hypertrophy in resistance vessels of spontaneously hypertensive rats, 198

Central nervous system (*see also* Brain, Spinal cord)
The central pressor effect of bradykinin in normotensive and hypertensive rats, I-126
Converting enzyme activity and angiotensin metabolism in the dog brainstem, I-153
Purinergic receptors in the brainstem mediate hypotension and bradycardia, 191
Sodium responsiveness of central α_2-adrenergic receptors in spontaneously hypertensive rats, 326
Chemoreceptors
Potentiation of sympathetic nerve responses to hypoxia in borderline hypertensive subjects, 608
Children
Race and cardiovascular reactivity: a replication, 308
Total plasma dopamine/norepinephrine ratio in catecholamine-secreting tumors: its relation to hypertension, I-202
Chronic disease
Compliance and chronic disease, II-56
CIBA Award, 1987
CIBA Award for Hypertension Research, 767
Cirrhosis
Assessment of human sympathetic nervous system activity from measurements of norepinephrine turnover, 3 (BR)
Clinical conferences
Whole-day blood pressure, 288 (CC)
Clonidine
The C1 area of the brainstem in tonic and reflex control of blood pressure. State of the art lecture, I-8
Side effects of sympatholytic antihypertensive drugs, II-30
Cognitive function
Effects of β-blockade and exercise on cardiovascular and cognitive functioning, 470
Collagen
Increased DNA replication in the arterial adventitia after aortic ligation, I-130
Converting enzyme
Converting enzyme and kininase II, 299 (L)
Converting enzyme inhibitors
Angiotensin converting enzyme inhibitors: properties and side effects, II-37
Contribution of vasopressin in dexamethasone-induced hypertension in rats, I-42
Converting enzyme activity and angiotensin metabolism in the dog brainstem, I-153
Effect of a kinin antagonist on the acute antihypertensive activity of enalaprilat in severe hypertension, 239
Enalapril attenuates natriuresis of atrial natriuretic factor in humans, 160
Factors that contribute to resistant forms of hypertension: pharmacological considerations, II-88
Individual responses to converting enzyme inhibitors and calcium antagonists, 166
Inhibition of tissue angiotensin converting enzyme: quantitation by autoradiography, 230
Location and regulation of rat angiotensinogen messenger RNA, 591
Review of salt restriction and the response to antihypertensive drugs. Satellite symposium on calcium antagonists, I-229
The ventrolateral medulla: a new site of action of the renin-angiotensin system, I-163
Coronary perfusion
Cardiac hypertrophy in hypertension: repolarization abnormalities elicited by rapid lowering of pressure, 84
Corticosterone
Captopril and the response to stress in the spontaneously hypertensive rat, I-144
Council for High Blood Pressure Research
The Council for High Blood Pressure Research: its origin and purposes, 763
Cuba
The effect of a community hypertension control program (Cuba), I-194
Cyclic GMP
Effects of atrial natriuretic factor and vasopressin on cyclic nucleotides in cultured kidney cells, 392 (RC)

D

Dahl rats
Ganglionic immunoreactive atrial natriuretic factor in rat experimental hypertension, I-47
Genetics and salt modulate renal responses to atrial natriuretic factor, 745
Papillary collecting tubule synthesis of prostaglandin E_2 in Dahl rats, 179
Renal nerves and the development of Dahl salt-sensitive hypertension, 523
Stress increases renal nerve activity and decreases sodium excretion in Dahl rats, 334
Death, sudden
Hypertension, antihypertensive treatment, and sudden coronary death: the Framingham Study, II-45
Deoxycorticosterone
Area postrema ablation and vascular reactivity in deoxycorticosterone-salt–treated rats, 668
Characteristics of hormonal and neurogenic mechanisms of deoxycorticosterone-induced hypertension, I-172
Ganglionic immunoreactive atrial natriuretic factor in rat experimental hypertension, I-47
Plasma kinin concentration in deoxycorticosterone-salt hypertension, 411
Dexamethasone
Contribution of vasopressin in dexamethasone-induced hypertension in rats, I-42
The differential effect of aldosterone and dexamethasone on pressor responses in adrenalectomized rats, 174
Diabetes
An impedance method for blood pressure measurement in awake rats without preheating, 371
Diabetes mellitus and hypertension. State of the art lecture, I-14
Effects of moderate diabetes on cardiac performance in spontaneously hypertensive and Wistar-Kyoto rats, 344
Hypertension, non-insulin-dependent diabetes, and intracellular sodium metabolism, 264
The role of vasopressin in blood pressure maintenance in diabetic orthostatic hypotension, I-217
Vascular and adrenal reninlike activity in chronically diabetic rats, 339
Diazoxide
Side effects of vasodilator therapy, II-34
Diet
Dietary salt produces abnormal renal vasoconstrictor responses to upright posture in borderline hypertensive subjects, 529
Effect of a low fat diet on carbohydrate metabolism in patients with hypertension, 244
High potassium diets protect against dysfunction of endothelial cells in stroke-prone spontaneously hypertensive rats, 579
Review of salt restriction and the response to antihypertensive drugs. Satellite symposium on calcium antagonists, I-229
Digitalislike factors
The effects of urinary digitalislike factor on cultured vascular smooth muscle cells, 645
Dihydroxytryptamine
Effect of central serotonin depletion on blood pressure and the renin system in rats, I-190
Diltiazem
Clinical pharmacology of calcium antagonists. Satellite symposium on calcium antagonists, I-222
Diltiazem and left ventricular hypertrophy in renovascular hypertensive rats, 495
Individual responses to converting enzyme inhibitors and calcium antagonists, 166
Side effects of calcium channel blockers, II-42
Diuresis
Activation of the humoral antihypertensive system of the kidney increases diuresis, 597
Diuresis and natriuresis during continuous dopamine-1 receptor stimulation, I-69
Effects of intravenously administered β-human atrial natriuretic polypeptide in humans, 697

Diuretic therapy
Diuretics and their side effects: dilemma in the treatment of hypertension, II-16
DNA
Increased DNA replication in the arterial adventitia after aortic ligation, I-130
Doctor-patient relationships
Compliance and blood pressure control, II-61
Compliance and chronic disease, II-56
Dog studies
Activated endothelial cells in culture suppress baroreceptors in the carotid sinus of dog, 586
Bidirectional transport of angiotensin II binding sites in the vagus nerve, I-139
Characteristics of hormonal and neurogenic mechanisms of deoxycorticosterone-induced hypertension, I-172
Constricting and stiffening action of atropine on aortic response to angiotensin in dogs, I-103
Converting enzyme activity and angiotensin metabolism in the dog brainstem, I-153
Direct effects of α_2-adrenergic receptor stimulation on intravascular systemic capacity in the dog, 352
The effect of captopril on renal blood flow in renal artery stenosis assessed by positron tomography with rubidium-82, 217
Hypertensive mechanisms associated with centrally administered aldosterone in dogs, 750
Neuronal responses to angiotensin II in the in vitro slice from the canine medulla, 680
Purification and partial characterization of canine angiotensinogen, 21
Site of entry of kininase II into renal tubular fluid, I-66
Vasopressin and arterial pressure regulation. Special lecture, I-25
Dopamine
Diuresis and natriuresis during continuous dopamine-1 receptor stimulation, I-69
High NaCl diet reduces hypothalamic norepinephrine turnover in hypertensive rats, 55
Plasma and urinary catecholamines in salt-sensitive idiopathic hypertension, 312
Sodium depletion increases platelet and plasma catecholamines in hypertensive men, 477
Total plasma dopamine/norepinephrine ratio in catecholamine-secreting tumors: its relation to hypertension, I-202
Drug interactions
β-Adrenergic receptor blockers: adverse effects and drug interactions, II-21
An algorithm for the management of resistant hypertension, II-101
Antagonism of antihypertensive drug therapy by nonsteroidal anti-inflammatory drugs, II-4
Drug interactions in hypertension, II-1
Drug-resistant hypertension (*see also* Resistant hypertension)
Clinical implications of primary aldosteronism with resistant hypertension, I-207
Nitrendipine in severe hypertension. Satellite symposium on calcium antagonists, I-225

E

Echocardiography
Left ventricular function in mild hypertension after adrenergic blockade, I-98
Supernormal contractility in primary hypertrophy without left ventricular hypertrophy, 457
Editorials
Hypertension — past and future, 1 (E)
Elastin
Increased DNA replication in the arterial adventitia after aortic ligation, I-130
Elderly
Compliance and chronic disease, II-56
Electrical impedance
An impedance method for blood pressure measurement in awake rats without preheating, 371
Enalapril
Angiotensin converting enzyme inhibitors: properties and side effects, II-37
Enalapril attenuates natriuresis of atrial natriuretic factor in humans, 160
Individual responses to converting enzyme inhibitors and calcium antagonists, 166
Enalaprilat
Effect of a kinin antagonist on the acute antihypertensive activity of enalaprilat in severe hypertension, 239
Endocrine hypertension
Effects of thyroid function on blood pressure: recognition of hypothyroid hypertension, 78
Endothelium
Activated endothelial cells in culture suppress baroreceptors in the carotid sinus of dog, 586
Endothelial communication. State of the art lecture, 563
Endothelium-dependent and endothelium-independent vasodilation in resistance arteries from hypertensive rats, 440
Endothelium-dependent responses in carotid and renal arteries of normotensive and hypertensive rats, 573
High potassium diets protect against dysfunction of endothelial cells in stroke-prone spontaneously hypertensive rats, 579
Partially endothelium-dependent vasodilator effect of adenosine in rat aorta, 514
Epidemiology
Hypertension, antihypertensive treatment, and sudden coronary death: the Framingham Study, II-45
Essential hypertension
Assessment of human sympathetic nervous system activity from measurements of norepinephrine turnover, 3 (BR)
Atrial natriuretic factor in essential hypertension and adrenal disorders, I-212
The atrial natriuretic factor in hypertension. State of the art lecture, I-3
Cardiopulmonary receptor modulation of plasma renin activity in normotensive and hypertensive subjects, 92
Effect of nifedipine on renal function in patients with essential hypertension, 452
Factors influencing blood pressure and heart rate variability in hypertensive humans, 273
Hemodynamics of the carotid artery after vasodilation in essential hypertension, 134
A higher cellular sodium turnover rate in cultured skin fibroblasts from blacks, 301
Intracellular sodium and the response to nitrendipine or atenolol in African blacks, 100
Plasma and urinary catecholamines in salt-sensitive idiopathic hypertension, 312
Role of cellular calcium in salt sensitivity of patients with essential hypertension, 703
Role of thromboxane A_2 in the hypotensive effect of captopril in essential hypertension, 147
Side effects of sympatholytic antihypertensive drugs, II-30
Sodium depletion increases platelet and plasma catecholamines in hypertensive men, 477
Supernormal contractility in primary hypertension without left ventricular hypertrophy, 457
Vasopressin and arterial pressure regulation. Special lecture, I-25
Estrogen
Oral contraceptives and hypertension, II-11
Exercise
Effects of β-blockade and exercise on cardiovascular and cognitive functioning, 470
Is there a relationship between ambulatory intra-arterial blood pressure and left ventricular function? 464

F

Fenoldopam
Diuresis and natriuresis during continuous dopamine-1 receptor stimulation, I-69

Fetal lungs
Atrial natriuretic factor immunoreactivity in human fetal lung tissue and perfusates, I-62
Fibroblasts
A higher cellular sodium turnover rate in cultured skin fibroblasts from blacks, 301
Fluid volume
The patient with resistant hypertension: cations, volume, and renal factors, II-76
Framingham Study
Hypertension, antihypertensive treatment, and sudden coronary death: the Framingham Study, II-45
Furosemide
Role of angiotensin II in renal prostaglandin E_2 production after furosemide administration, 491

G

Ganglia
Ganglionic immunoreactive atrial natriuretic factor in rat experimental hypertension, I-47
Ganglionic blockers
Side effects of sympatholytic antihypertensive drugs, II-30
Gap junctions
Endothelial communication. State of the art lecture, 563
Genetics
Biological variability in Wistar-Kyoto and spontaneously hypertensive rats, 106 (L)
Genetics and salt modulate renal responses to atrial natriuretic factor, 745
Pressor mechanisms linked obligatorily to spontaneous hypertension in the rat, 427
Glomerular filtration rate
Effect of nifedipine on renal function in patients with essential hypertension, 452
Genetics and salt modulate renal responses to atrial natriuretic factor, 745
Mechanisms underlying pressure-related natriuresis: the role of the renin-angiotensin and prostaglandin systems. State of the art lecture, 724
Glomerular function
Evaluating hyperfiltration with glycine in hypertensive rats with renal ablation, I-33
Glucocorticoids
Contribution of vasopressin in dexamethasone-induced hypertension in rats, I-42
The differential effect of aldosterone and dexamethasone on pressor responses in adrenalectomized rats, 174
Glucose
Altered erythrocyte and plasma sodium and potassium in hypertension, a facet of hyperinsulinemia, 71
Effect of a low fat diet on carbohydrate metabolism in patients with hypertension, 244
Glutamate
Role of the nucleus ambiguus in the regulation of heart rate and arterial pressure, 602
Glycine
Evaluating hyperfiltration with glycine in hypertensive rats with renal ablation, I-33
Glycine microinjected in the rat dorsal vagal nucleus increases arterial pressure, 664
Goldblatt hypertension
Diltiazem and left ventricular hypertrophy in renovascular hypertensive rats, 495
Effect of 6-iodoamiloride in various models of experimental hypertension, 445
Effects of moderate hypertension on cardiac function and metabolism in the rabbit, 416
Endogenous intrarenal adenosine preserves renal blood flow in one-kidney, one clip rats, 651
Evaluating hyperfiltration with glycine in hypertensive rats with renal ablation, I-33
Renal glomerular atrial natriuretic factor receptors in one-kidney, one clip rats, 185
Guanabenz
Side effects of sympatholytic antihypertensive drugs, II-30
Sodium responsiveness of central α_2-adrenergic receptors in spontaneously hypertensive rats, 326

H

Health education
The effect of a community hypertension control program (Cuba), I-194
Heart
Angiotensin analogues that selectively augment the force of contraction of the isolated heart, I-38
Assessment of human sympathetic nervous system activity from measurements of norepinephrine turnover, 3 (BR)
Brain renin-angiotensin: central control of secretion of atrial natriuretic factor from the heart, I-57
Factors contributing to resistant hypertension: cardiac considerations, II-84
The heart in hypertension: unresolved conceptual challenges. Special lecture, I-19
Heart rate
Baroreceptor reflex modulation by angiotensin II at the nucleus tractus solitarii, I-167
Baroreceptor reflex modulation by vasopressin microinjected into the nucleus tractus solitarii of conscious rats, I-75
Effect of nucleus ambiguus lesion on the development of neurogenic hypertension, I-135
Effects of intravenously administered β-human atrial natriuretic polypeptide in humans, 697
Factors influencing blood pressure and heart rate variability in hypertensive humans, 273
Glycine microinjected in the rat dorsal vagal nucleus increases arterial pressure, 664
Role of the nucleus ambiguus in the regulation of heart rate and arterial pressure, 602
Single versus triplicate measurements of blood pressure and heart rate, 282 (BC)
Hematocrit
Race and sex differences in the correlates of blood pressure change, 249
Hemodynamics (*see also* Blood flow)
The heart in hypertension: unresolved conceptual challenges. Special lecture, I-19
Hemodynamics of the carotid artery after vasodilation in essential hypertension, 134
Nifedipine enhances the vasodepressor and natriuretic effects of atrial natriuretic peptide, 34
Sodium sensitivity in human subjects: hemodynamic and hormonal correlates, 717
Hemorrhage
Extent of baroreceptor resetting in response to sodium nitroprusside and verapamil, I-121
Hormones
Hypotensive action of parathyroid hormone in hypoparathyroid and hyperparathyroid rats, 509
Peptide hormones and the regulation of sodium excretion, 397 (BR)
Sex hormone modulation of ventricular hypertrophy in sinoaortic denervated rats, I-93
Human studies
β-Adrenergic receptor blockers: adverse effects and drug interactions, II-21
Altered erythrocyte and plasma sodium and potassium in hypertension, a facet of hyperinsulinemia, 71
Altered excretion of prostaglandin and thromboxane metabolites in pregnancy-induced hypertension, 550
Antihypertensive drug side effects in the Hypertension Detection and Follow-up Program, II-51
Atrial natriuretic factor immunoreactivity in human fetal lung tissue and perfusates, I-62

Atrial natriuretic factor in essential hypertension and adrenal disorders, I-212
The atrial natriuretic factor in hypertension. State of the art lecture, I-3
Atrial natriuretic factor in mild to moderate chronic renal failure, 483
Cardiac hypertrophy in hypertension: repolarization abnormalities elicited by rapid lowering of pressure, 84
Cardiopulmonary receptor modulation of plasma renin activity in normotensive and hypertensive subjects, 92
Clinical implications of primary aldosteronism with resistant hypertension, I-207
A comparison of the random-zero and standard mercury sphygmomanometers, 269
Crossover design to test antihypertensive drugs with self-recorded blood pressure, 153
Development of hypertension after correction of primary hyperparathyroidism, 285 (CR)
Dietary salt produces abnormal renal vasoconstrictor responses to upright posture in borderline hypertensive subjects, 529
Diuresis and natriuresis during continuous dopamine-1 receptor stimulation, I-69
Diuretics and their side effects: dilemma in the treatment of hypertension, II-16
Dynamic cardiovascular responses to infusions of atrial natriuretic factor in humans, 537
The effect of a community hypertension control program (Cuba), I-194
Effect of a low fat diet on carbohydrate metabolism in patients with hypertension, 244
Effect of nifedipine on renal function in patients with essential hypertension, 452
Effects of β-blockade and exercise on cardiovascular and cognitive functioning, 470
Effects of intravenously administered β-human atrial natriuretic polypeptide in humans, 697
Effects of thyroid function on blood pressure: recognition of hypothyroid hypertension, 78
Enalapril attenuates natriuresis of atrial natriuretic factor in humans, 160
Factors influencing blood pressure and heart rate variability in hypertensive humans, 273
Functional versus structural changes of forearm vascular resistance in hypertension, 320
Hemodynamics of the carotid artery after vasodilation in essential hypertension, 134
A higher cellular sodium turnover rate in cultured skin fibroblasts from blacks, 301
Hypertension, antihypertensive treatment, and sudden coronary death: the Framingham Study, II-45
Hypertension, non-insulin-dependent diabetes, and intracellular sodium metabolism, 264
Individual responses to converting enzyme inhibitors and calcium antagonists, 166
Intracellular sodium and the response to nitrendipine or atenolol in African blacks, 100
Is there a relationship between ambulatory intra-arterial blood pressure and left ventricular function? 464
Labetalol blunts morning pressor surge in systolic hypertension, I-198
Left ventricular function in mild hypertension after adrenergic blockade, I-98
Nitrendipine in severe hypertension. Satellite symposium on calcium antagonists, I-225
Oral contraceptives and hypertension, II-11
Plasma and urinary catecholamines in salt-sensitive idiopathic hypertension, 312
Potentiation of sympathetic nerve responses to hypoxia in borderline hypertensive subjects, 608
Prevalence of drug resistant hypertension, II-71
Race and cardiovascular reactivity: a replication, 308
Race and sex differences in the correlates of blood pressure change, 249
Regional vascular effects of serotonin and ketanserin in young, healthy subjects, 256
Renal effects of amino acid infusions in patients with panhypopituitarism, 557 (CR)
The reproducibility of average ambulatory, home, and clinic pressures, 545
Review of salt restriction and the response to antihypertensive drugs. Satellite symposium on calcium antagonists, I-229
Role of angiotensin II in renal prostaglandin E_2 production after furosemide administration, 491
Role of cellular calcium in salt sensitivity of patients with essential hypertension, 703
Role of thromboxane A_2 in the hypotensive effect of captopril in essential hypertension, 147
The role of vasopressin in blood pressure maintenance in diabetic orthostatic hypotension, I-217
Secretion of N-terminal fragment of γ-human atrial natriuretic polypeptide, I-52
Serotoninergic mechanisms in hypertension: focus on the effects of ketanserin, 111 (BR)
Single versus triplicate measurements of blood pressure and heart rate, 282 (BC)
Sodium depletion increases platelet and plasma catecholamines in hypertensive men, 477
Sodium sensitivity in human subjects: hemodynamic and hormonal correlates, 717
Sodium transport parameters in erythrocytes of patients with primary aldosteronism, 141
Supernormal contractility in primary hypertension without left ventricular hypertrophy, 457
Total plasma dopamine/norepinephrine ratio in catecholamine-secreting tumors: its relation to hypertension, I-202
Vasopressin and arterial pressure regulation. Special lecture, I-25
Whole-day blood pressure, 288 (CC)

Hydralazine
Effects of arterial vasodilators on cardiac hypertrophy and sympathetic activity in rats, 376
Side effects of vasodilator therapy, II-34

Hydrochlorothiazide
Nitrendipine in severe hypertension. Satellite symposium on calcium antagonists, I-225

Hyperinsulinemia
Altered erythrocyte and plasma sodium and potassium in hypertension, a facet of hyperinsulinemia, 71

Hyperparathyroidism
Development of hypertension after correction of primary hyperparathyroidism, 285 (CR)
Hypotensive action of parathyroid hormone in hypoparathyroid and hyperparathyroid rats, 509

Hypertension detection and control
The effect of a community hypertension control program (Cuba), I-194
Hypertension in Latin America. Special report, I-233

Hypertension Detection and Follow-up Program
Antihypertensive drug side effects in the Hypertension Detection and Follow-up Program, II-51

***Hypertension* journal**
Hypertension — past and future, 1 (E)
A note of thanks to reviewers, 107

Hypervolemia
Clinical implications of primary aldosteronism with resistant hypertension, I-207

Hypotension
Effects of the renin inhibitor A-64662 in monkeys and rats with varying baseline plasma renin activity, 613
Extent of baroreceptor resetting in response to sodium nitroprusside and verapamil, I-121
Hypotensive spinal serotonergic effect: are S_1 or S_2 receptors involved? I-182
Purinergic receptors in the brainstem mediate hypotension and bradycardia, 191
Role of thromboxane A_2 in the hypotensive effect of captopril in essential hypertension, 147
The role of vasopressin in blood pressure maintenance in diabetic orthostatic hypotension, I-217

Hypothalamus
High NaCl diet reduces hypothalamic norepinephrine turnover in hypertensive rats, 55
In vivo release of angiotensin II from the rat hypothalamus, I-158
Sympathetic stimulation and hypertension in the pyridoxine-deficient adult rat, 387
Hypothyroidism
Effects of thyroid function on blood pressure: recognition of hypothyroid hypertension, 78
Hypoxia
Potentiation of sympathetic nerve responses to hypoxia in borderline hypertensive subjects, 608

I

Imidazole receptors
The C1 area of the brainstem in tonic and reflex control of blood pressure. State of the art lecture, I-8
Immunoimmobilization
Formation of angiotensin II by tonin-inhibitor complex, 63
Immunoreactivity
Atrial natriuretic factor immunoreactivity in human fetal lung tissue and perfusates, I-62
Ganglionic immunoreactive atrial natriuretic factor in rat experimental hypertension, I-47
Secretion of N-terminal fragment of γ-human atrial natriuretic polypeptide, I-52
Indomethacin
Antagonism of antihypertensive drug therapy by nonsteroidal anti-inflammatory drugs, II-4
Effects of prostaglandin $F_{2\alpha}$ on vasoconstrictor responses in the mesenteric vascular bed, I-108
Endothelium-dependent responses in carotid and renal arteries of normotensive and hypertensive rats, 573
High potassium diets protect against dysfunction of endothelial cells in stroke-prone spontaneously hypertensive rats, 579
Insulin
Altered erythrocyte and plasma sodium and potassium in hypertension, a facet of hyperinsulinemia, 71
Effect of a low fat diet on carbohydrate metabolism in patients with hypertension, 244
Peptide hormones and the regulation of sodium excretion, 397 (BR)
6-Iodoamiloride
Effect of 6-iodoamiloride in various models of experimental hypertension, 445
Ion transport
Endothelial communication. State of the art lecture, 563
Lingual epithelium of spontaneously hypertensive rats has decreased short-circuit current in response to NaCl, 519

J

Joint National Committee Report
Some highlights of the Fourth Joint National Committee Report on the Detection, Evaluation, and Treatment of High Blood Pressure, 560 (SR)

K

Kainic acid
Role of the nucleus ambiguus in the regulation of heart rate and arterial pressure, 602
Kallikrein
Altered excretion of prostaglandin and thromboxane metabolites in pregnancy-induced hypertension, 550
Ketanserin
Regional vascular effects of serotonin and ketanserin in young, healthy subjects, 256
Serotoninergic mechanisms in hypertension: focus on the effects of ketanserin, 111 (BR)
Kidney (*see also* Nephrectomy)
Activation of the humoral antihypertensive system of the kidney increases diuresis, 597
Assessment of human sympathetic nervous system activity from measurements of norepinephrine turnover, 3 (BR)
Characterization of recombinant human prorenin and renin, 713
Effects of atrial natriuretic factor and vasopressin on cyclic nucleotides in cultured kidney cells, 392 (RC)
Genetics and salt modulate renal responses to atrial natriuretic factor, 745
Papillary collecting tubule synthesis of prostaglandin E_2 in Dahl rats, 179
The patient with resistant hypertension: cations, volume, and renal factors, II-76
Peptide hormones and the regulation of sodium excretion, 397 (BR)
Renal cortical and papillary blood flow in spontaneously hypertensive rats, 657
Renal nerves and the development of Dahl salt-sensitive hypertension, 523
Stress increases renal nerve activity and decreases sodium excretion in Dahl rats, 334
Kininase II
Converting enzyme and kininase II, 299 (L)
Site of entry of kininase II into renal tubular fluid, I-66
Kinins (*see also* Bradykinin)
Effect of a kinin antagonist on the acute antihypertensive activity of enalaprilat in severe hypertension, 239
Effects of a kinin antagonist on mean blood pressure, I-84
Plasma kinin concentration in deoxycorticosterone-salt hypertension, 411

L

Labetalol
Labetalol blunts morning pressor surge in systolic hypertension, I-198
Latin America
Hypertension in Latin America. Special report, I-233
Letters to the editor
Biological variability in Wistar-Kyoto and spontaneously hypertensive rats, 106 (L)
Converting enzyme and kininase II, 299 (L)
Leumorphin
Implication of leumorphin in inhibitory control of vasopressin secretion in conscious rats, I-80
Lidocaine
Tidal volume affects the response to inactivation of the rostral ventrolateral medulla, I-186
Lisinopril
Inhibition of tissue angiotensin converting enzyme: quantitation by autoradiography, 230

M

α_1-Macroglobulin
Formation of angiotensin II by tonin-inhibitor complex, 63
Magnesium
The patient with resistant hypertension: cations, volume, and renal factors, II-76
Marion Award, 1987
Fourth annual Marion Hypertension Research Clinical Fellowship Award, 768
Messenger RNA
Location and regulation of rat angiotensinogen messenger RNA, 591
Methoxamine
Pressor mechanisms linked obligatorily to spontaneous hypertension in the rat, 427
Regional vascular effects of serotonin and ketanserin in young, healthy subjects, 256
Methyldopa
Side effects of sympatholytic antihypertensive drugs, II-30

Mild hypertension
Effects of β-blockade and exercise on cardiovascular and cognitive functioning, 470
Left ventricular function in mild hypertension after adrenergic blockade, I-98
Mineralocorticoid hypertension
Hypertensive mechanisms associated with centrally administered aldosterone in dogs, 750
Mineralocorticoids
The differential effect of aldosterone and dexamethasone on pressor responses in adrenalectomized rats, 174
Minoxidil
Effects of arterial vasodilators on cardiac hypertrophy and sympathetic activity in rats, 376
Side effects of vasodilator therapy, II-34
Monkey studies
Effects of the renin inhibitor A-64662 in monkeys and rats with varying baseline plasma renin activity, 613
A highly potent and long-acting oral inhibitor of human renin, 708
Monoclonal antibodies
Mechanism of inhibition of human renin by monoclonal antibodies, 209
***Myo*-inositol phosphates**
Altered biochemical and functional responses in aorta from hypertensive rats, 627

N

Naloxone
Implication of leumorphin in inhibitory control of vasopressin secretion in conscious rats, I-80
Natriuresis
Activation of the humoral antihypertensive system of the kidney increases diuresis, 597
Diuresis and natriuresis during continuous dopamine-1 receptor stimulation, I-69
Effects of intravenously administered β-human atrial natriuretic polypeptide in humans, 697
Mechanisms underlying pressure-related natriuresis: the role of the renin-angiotensin and prostaglandin systems. State of the art lecture, 724
Nifedipine enhances the vasodepressor and natriuretic effects of atrial natriuretic peptide, 34
Renal glomerular atrial natriuretic factor receptors in one-kidney, one clip rats, 185
Nephrectomy
Effects of moderate hypertension on cardiac function and metabolism in the rabbit, 416
Location and regulation of rat angiotensinogen messenger RNA, 591
Vascular and adrenal reninlike activity in chronically diabetic rats, 339
Nerves
Bidirectional transport of angiotensin II binding sites in the vagus nerve, I-139
The C1 area of the brainstem in tonic and reflex control of blood pressure. State of the art lecture, I-8
Contrasting reflex effects of chemosensitive and mechanosensitive vagal afferents, 674
Glycine microinjected in the rat dorsal vagal nucleus increases arterial pressure, 664
Neuronal responses to angiotensin II in the in vitro slice from the canine medulla, 680
Peptide-containing nerves around blood vessels of stroke-prone spontaneously hypertensive rats, I-117
Renal nerves and the development of Dahl salt-sensitive hypertension, 523
Role of the nucleus ambiguus in the regulation of heart rate and arterial pressure, 602
Stress increases renal nerve activity and decreases sodium excretion in Dahl rats, 334
Neurogenic hypertension
Effect of nucleus ambiguus lesion on the development of neurogenic hypertension, I-135
Role of the nucleus ambiguus in the regulation of heart rate and arterial pressure, 602
Neuropeptide Y
Peptide-containing nerves around blood vessels of stroke-prone spontaneously hypertensive rats, I-117
Nifedipine
Cardiac hypertrophy in hypertension: repolarization abnormalities elicited by rapid lowering of pressure, 84
Clinical pharmacology of calcium antagonists. Satellite symposium on calcium antagonists, I-222
Effect of nifedipine on renal function in patients with essential hypertension, 452
Functional versus structural changes of forearm vascular resistance in hypertension, 320
Individual responses to converting enzyme inhibitors and calcium antagonists, 166
Nifedipine enhances the vasodepressor and natriuretic effects of atrial natriuretic peptide, 34
Role of cellular calcium in salt sensitivity of patients with essential hypertension, 703
Side effects of calcium channel blockers, II-42
Nitrendipine
Clinical pharmacology of calcium antagonists. Satellite symposium on calcium antagonists, I-222
Intracellular sodium and the response to nitrendipine or atenolol in African blacks, 100
Nitrendipine in severe hypertension. Satellite symposium on calcium antagonists, I-225
Nitroprusside
Baroreceptor reflex modulation by angiotensin II at the nucleus tractus solitarii, I-167
Cardiac hypertrophy in hypertension: repolarization abnormalities elicited by rapid lowering of pressure, 84
Endothelium-dependent and endothelium-independent vasodilation in resistance arteries from hypertensive rats, 440
Endothelium-dependent responses in carotid and renal arteries of normotensive and hypertensive rats, 573
Extent of baroreceptor resetting in response to sodium nitroprusside and verapamil, I-121
Functional versus structural changes of forearm vascular resistance in hypertension, 320
High potassium diets protect against dysfunction of endothelial cells in stroke-prone spontaneously hypertensive rats, 579
Supernormal contractility in primary hypertension without left ventricular hypertrophy, 457
Nonpharmacological treatment
Some highlights of the Fourth Joint National Committee Report on the Detection, Evaluation, and Treatment of High Blood Pressure, 560 (SR)
Norepinephrine
Altered biochemical and functional responses in aorta from hypertensive rats, 627
Assessment of human sympathetic nervous system activity from measurements of norepinephrine turnover, 3 (BR)
Atrial natriuretic factor in essential hypertension and adrenal disorders, I-212
Contractile response of spontaneously hypertensive rat caudal artery to phorbol esters, I-112
Contribution of vasopressin in dexamethasone-induced hypertension in rats, I-42
Converting enzyme activity and angiotensin metabolism in the dog brainstem, I-153
Diabetes mellitus and hypertension. State of the art lecture, I-14
The differential effect of aldosterone and dexamethasone on pressor responses in adrenalectomized rats, 174
Effects of prostaglandin $F_{2\alpha}$ on vasoconstrictor responses in the mesenteric vascular bed, I-108
Genetics and salt modulate renal responses to atrial natriuretic factor, 745
High NaCl diet reduces hypothalamic norepinephrine turnover in hypertensive rats, 55
Increased α-adrenergic receptor affinity in resistance vessels from hypertensive rats, 635

Plasma and urinary catecholamines in salt-sensitive idiopathic hypertension, 312
Sodium depletion increases platelet and plasma catecholamines in hypertensive men, 477
Sympathetic stimulation and hypertension in the pyridoxine-deficient adult rat, 387
Total plasma dopamine/norepinephrine ratio in catecholamine-secreting tumors: its relation to hypertension, I-202

Nucleus tractus solitarii
Glycine microinjected in the rat dorsal vagal nucleus increases arterial pressure, 664

O

Obesity
Altered erythrocyte and plasma sodium and potassium in hypertension, a facet of hyperinsulinemia, 71

Office hypertension
An algorithm for the management of resistant hypertension, II-101

Oral contraceptives
Oral contraceptives and hypertension, II-11

Ouabain
The effects of urinary digitalislike factor on cultured vascular smooth muscle cells, 645

P

Parasympathetic nervous system
Constricting and stiffening action of atropine on aortic response to angiotensin in dogs, I-103
Effect of nucleus ambiguus lesion on the development of neurogenic hypertension, I-135

Parathyroid hormone
Hypotensive action of parathyroid hormone in hypoparathyroid and hyperparathyroid rats, 509

Patient compliance
An algorithm for the management of resistant hypertension, II-101
Classification of resistant hypertension, II-67
Compliance and blood pressure control, II-61
Compliance and chronic disease, II-56
Summary of the workshop: National Institutes of Health Workshop on Drug Side Effects, Drug-Drug Interactions, Drug Resistance, and Patient Compliance in the Management of Hypertension, II-106

Peptides
Angiotensin analogues that selectively augment the force of contraction of the isolated heart, I-38
Converting enzyme activity and angiotensin metabolism in the dog brainstem, I-153
Implication of leumorphin in inhibitory control of vasopressin secretion in conscious rats, I-80
In vivo release of angiotensin II from the rat hypothalamus, I-158
Peptide-containing nerves around blood vessels of stroke-prone spontaneously hypertensive rats, I-117

Phenyl diguanide
Contrasting reflex effects of chemosensitive and mechanosensitive vagal afferents, 674

Phenylephrine
Partially endothelium-dependent vasodilator effect of adenosine in rat aorta, 514

Phenylpropanolamine
Phenylpropanolamine and other over-the-counter vasoactive compounds, II-7

Phorbol esters
Contractile response of spontaneously hypertensive rat caudal artery to phorbol esters, I-112

Phosphatidic acid
Altered biochemical and functional responses in aorta from hypertensive rats, 627

Phosphoinositides
Effects of prostaglandin $F_{2\alpha}$ on vasoconstrictor responses in the mesenteric vascular bed, I-108

Phospholipase C
Enhanced phospholipase C activity in the vascular wall of spontaneously hypertensive rats, 28

Pindolol
Pindolol, not propranolol, reverses cardiac hypertrophy in renal hypertensive rats, I-89

Piroxicam
Antagonism of antihypertensive drug therapy by nonsteroidal antiinflammatory drugs, II-4

Pituitary gland
Renal effects of amino acid infusions in patients with panhypopituitarism, 557 (CR)

Plasma renin activity
Effects of the renin inhibitor A-64662 in monkeys and rats with varying baseline plasma renin activity, 613

Platelets
High potassium diets protect against dysfunction of endothelial cells in stroke-prone spontaneously hypertensive rats, 579
Sodium depletion increases platelet and plasma catecholamines in hypertensive men, 477

Potassium
Altered biochemical and functional responses in aorta from hypertensive rats, 627
Altered erythrocyte and plasma sodium and potassium in hypertension, a facet of hyperinsulinemia, 71
Contractile response of spontaneously hypertensive rat caudal artery to phorbol esters, I-112
Diuretics and their side effects: dilemma in the treatment of hypertension, II-16
Effect of atrial natriuretic factor on calcium fluxes in adrenal glomerulosa cells, 433
High potassium diets protect against dysfunction of endothelial cells in stroke-prone spontaneously hypertensive rats, 579
Partially endothelium-dependent vasodilator effect of adenosine in rat aorta, 514
The patient with resistant hypertension: cations, volume, and renal factors, II-76

Prazosin
Diabetes mellitus and hypertension. State of the art lecture, I-14
Direct effects of α_2-adrenergic receptor stimulation on intravascular systemic capacity in the dog, 352
Pressor mechanisms linked obligatorily to spontaneous hypertension in the rat, 427
Role of the sympathetic nervous system in blood pressure maintenance and in the antihypertensive effects of calcium antagonists in spontaneously hypertensive rats, 360

Pregnancy-induced hypertension
Altered excretion of prostaglandin and thromboxane metabolites in pregnancy-induced hypertension, 550

Pressor response
Atrial natriuretic factor release by angiotensin II in the conscious rat, 502
The central pressor effect of bradykinin in normotensive and hypertensive rats, I-126
The differential effect of aldosterone and dexamethasone on pressor responses in adrenalectomized rats, 174
Influence of the anteroventral third ventricle region and sinoaortic denervation on the pressor response to carotid occlusion, I-178
Pressor mechanisms linked obligatorily to spontaneous hypertension in the rat, 427

Progestogen
Oral contraceptives and hypertension, II-11

Propranolol
β-Adrenergic receptor blockers: adverse effects and drug interactions, II-21
Constricting and stiffening action of atropine on aortic response to angiotensin in dogs, I-103
Diabetes mellitus and hypertension. State of the art lecture, I-14
Effects of β-blockade and exercise on cardiovascular and cognitive functioning, 470
Nitrendipine in severe hypertension. Satellite symposium on calcium antagonists, I-225
Pindolol, not propranolol, reverses cardiac hypertrophy in renal hypertensive rats, I-89

Prorenin
Characterization of recombinant human prorenin and renin, 713
Prostaglandins
Altered excretion of prostaglandin and thromboxane metabolites in pregnancy-induced hypertension, 550
Effects of prostaglandin $F_{2\alpha}$ on vasoconstrictor responses in the mesenteric vascular bed, I-108
Mechanisms underlying pressure-related natriuresis: the role of the renin-angiotensin and prostaglandin systems. State of the art lecture, 724
Papillary collecting tubule synthesis of prostaglandin E_2 in Dahl rats, 179
Role of angiotensin II in renal prostaglandin E_2 production after furosemide administration, 491
Role of pressor prostanoids in rats with angiotensin II-salt–induced hypertension, 758
Protein
Characterization of recombinant human prorenin and renin, 713
Increased DNA replication in the arterial adventitia after aortic ligation, I-130
Renal effects of amino acid infusions in patients with panhypopituitarism, 557 (CR)
Vascular smooth muscle calponin: a novel troponin T–like protein, 620
Protein kinase C
Contractile response of spontaneously hypertensive rat caudal artery to phorbol esters, I-112
Pseudohypertension
An algorithm for the management of resistant hypertension, II-101
Classification of resistant hypertension, II-67
Purines
Purinergic receptors in the brainstem mediate hypotension and bradycardia, 191
Pyridoxine
Sympathetic stimulation and hypertension in the pyridoxine-deficient adult rat, 387

Q

Quetelet index
Race and sex differences in the correlates of blood pressure change, 249

R

Rabbit studies
Angiotensin analogues that selectively augment the force of contraction of the isolated heart, I-38
The antihypertensive mechanism of verapamil: alteration of glomerular filtration rate regulation, 639
Effects of atrial natriuretic factor and vasopressin on cyclic nucleotides in cultured kidney cells, 392 (RC)
Effects of moderate hypertension on cardiac function and metabolism in the rabbit, 416
Nifedipine enhances the vasodepressor and natriuretic effects of atrial natriuretic peptide, 34
Race (*see also* Black population)
A higher cellular sodium turnover rate in cultured skin fibroblasts from blacks, 301
Race and cardiovascular reactivity: a replication, 308
Race and sex differences in the correlates of blood pressure change, 249
Radionuclide ventriculography
Is there a relationship between ambulatory intra-arterial blood pressure and left ventricular function? 464
Rapid communications
Effects of atrial natriuretic factor and vasopressin on cyclic nucleotides in cultured kidney cells, 392 (RC)
Rat studies
Abnormal regulation of adrenal angiotensin II receptors in spontaneously hypertensive rats, 49
Activation of the humoral antihypertensive system of the kidney increases diuresis, 597
Altered biochemical and functional responses in aorta from hypertensive rats, 627
Area postrema ablation and vascular reactivity in deoxycorticosterone-salt–treated rats, 668
Atrial natriuretic factor release by angiotensin II in the conscious rat, 502
Autoregulation of the systemic circulation in conscious rats, 685
Baroreceptor reflex modulation by angiotensin II at the nucleus tractus solitarii, I-167
Baroreceptor reflex modulation by vasopressin microinjected into the nucleus tractus solitarii of conscious rats, I-75
Biological variability in Wistar-Kyoto and spontaneously hypertensive rats, 106 (L)
Brain renin-angiotensin: central control of secretion of atrial natriuretic factor from the heart, I-57
Captopril and the response to stress in the spontaneously hypertensive rat, I-144
The central pressor effect of bradykinin in normotensive and hypertensive rats, I-126
Contractile response of spontaneously hypertensive rat caudal artery to phorbol esters, I-112
Contrasting reflex effects of chemosensitive and mechanosensitive vagal afferents, 674
Contribution of vasopressin in dexamethasone-induced hypertension in rats, I-42
Diabetes mellitus and hypertension. State of the art lecture, I-14
The differential effect of aldosterone and dexamethasone on pressor responses in adrenalectomized rats, 174
Diltiazem and left ventricular hypertrophy in renovascular hypertensive rats, 495
Effect of a kinin antagonist on the acute antihypertensive activity of enalaprilat in severe hypertension, 239
Effect of atrial natriuretic factor on calcium fluxes in adrenal glomerulosa cells, 433
Effect of central serotonin depletion on blood pressure and the renin system in rats, I-190
Effect of 6-iodoamiloride in various models of experimental hypertension, 445
Effect of nucleus ambiguus lesion on the development of neurogenic hypertension, I-135
Effects of a kinin antagonist on mean blood pressure, I-84
Effects of arterial vasodilators on cardiac hypertrophy and sympathetic activity in rats, 376
Effects of moderate diabetes on cardiac performance in spontaneously hypertensive and Wistar-Kyoto rats, 344
Effects of prostaglandin $F_{2\alpha}$ on vasoconstrictor responses in the mesenteric vascular bed, I-108
Effects of the renin inhibitor A-64662 in monkeys and rats with varying baseline plasma renin activity, 613
Endogenous intrarenal adenosine preserves renal blood flow in one-kidney, one clip rats, 651
Endothelium-dependent and endothelium-independent vasodilation in resistance arteries from hypertensive rats, 440
Endothelium-dependent responses in carotid and renal arteries of normotensive and hypertensive rats, 573
Enhanced phospholipase C activity in the vascular wall of spontaneously hypertensive rats, 28
Evaluating hyperfiltration with glycine in hypertensive rats with renal ablation, I-33
Evaluation of medial hypertrophy in resistance vessels of spontaneously hypertensive rats, 198
Extent of baroreceptor resetting in response to sodium nitroprusside and verapamil, I-121
Formation of angiotensin II by tonin-inhibitor complex, 63
Ganglionic immunoreactive atrial natriuretic factor in rat experimental hypertension, I-47
Genetics and salt modulate renal responses to atrial natriuretic factor, 745
Glycine microinjected in the rat dorsal vagal nucleus increases arterial pressure, 664
A highly potent and long-acting oral inhibitor of human renin, 708
High NaCl diet reduces hypothalamic norepinephrine turnover in hypertensive rats, 55
High potassium diets protect against dysfunction of endothelial cells in stroke-prone spontaneously hypertensive rats, 579

Hypotensive action of parathyroid hormone in hypoparathyroid and hyperparathyroid rats, 509
Hypotensive spinal serotonergic effect: are S_1 or S_2 receptors involved? I-182
Impaired release of atrial natriuretic factor in NaCl-loaded spontaneously hypertensive rats, 739
An impedance method for blood pressure measurement in awake rats without preheating, 371
Implication of leumorphin in inhibitory control of vasopressin secretion in conscious rats, I-80
Increased α-adrenergic receptor affinity in resistance vessels from hypertensive rats, 635
Increased DNA replication in the arterial adventitia after aortic ligation, I-130
Influence of the anteroventral third ventricle region and sinoaortic denervation on the pressor response to carotid occlusion, I-178
Inhibition of tissue angiotensin converting enzyme: quantitation by autoradiography, 230
In vivo release of angiotensin II from the rat hypothalamus, I-158
Lingual epithelium of spontaneously hypertensive rats has decreased short-circuit current in response to NaCl, 519
Local generation and release of angiotensin II in peripheral vascular tissue, 223
Location and regulation of rat angiotensinogen messenger RNA, 591
Long-term captopril treatment: angiotensin II receptors and responses, I-148
Papillary collecting tubule synthesis of prostaglandin E_2 in Dahl rats, 179
Partially endothelium-dependent vasodilator effect of adenosine in rat aorta, 514
Peptide-containing nerves around blood vessels of stroke-prone spontaneously hypertensive rats, I-117
Pindolol, not propranolol, reverses cardiac hypertrophy in renal hypertensive rats, I-89
Plasma kinin concentration in deoxycorticosterone-salt hypertension, 411
Pressor mechanisms linked obligatorily to spontaneous hypertension in the rat, 427
Purinergic receptors in the brainstem mediate hypotension and bradycardia, 191
Renal cortical and papillary blood flow in spontaneously hypertensive rats, 657
Renal glomerular atrial natriuretic factor receptors in one-kidney, one clip rats, 185
Renal nerves and the development of Dahl salt-sensitive hypertension, 523
Role of pressor prostancids in rats with angiotensin II-salt–induced hypertension, 758
Role of the nucleus ambiguus in the regulation of heart rate and arterial pressure, 602
Role of the sympathetic nervous system in blood pressure maintenance and in the antihypertensive effects of calcium antagonists in spontaneously hypertensive rats, 360
Sex hormone modulation of ventricular hypertrophy in sinoaortic denervated rats, I-93
Sodium responsiveness of central α_2-adrenergic receptors in spontaneously hypertensive rats, 326
Sodium transport kinetics in erythrocytes from spontaneously hypertensive rats, 41
Stress increases renal nerve activity and decreases sodium excretion in Dahl rats, 334
Sympathetic stimulation and hypertension in the pyridoxine-deficient adult rat, 387
Tidal volume affects the response to inactivation of the rostral ventrolateral medulla, I-186
Vascular and adrenal reninlike activity in chronically diabetic rats, 339
Vascular and sympathoadrenal responses to bradykinin and a bradykinin analogue, 754
Vasopressin and arterial pressure regulation. Special lecture, I-25

Raynaud's phenomenon
Serotoninergic mechanisms in hypertension: focus on the effects of ketanserin, 111 (BR)

Recombinant protein
Characterization of recombinant human prorenin and renin, 713

Red blood cells
Altered erythrocyte and plasma sodium and potassium in hypertension, a facet of hyperinsulinemia, 71
Intracellular sodium and the response to nitrendipine or atenolol in African blacks, 100
Sodium transport kinetics in erythrocytes from spontaneously hypertensive rats, 41
Sodium transport parameters in erythrocytes of patients with primary aldosteronism, 141

Renal ablation
Evaluating hyperfiltration with glycine in hypertensive rats with renal ablation, I-33

Renal artery
The effect of captopril on renal blood flow in renal artery stenosis assessed by positron tomography with rubidium-82, 217
Endothelium-dependent responses in carotid and renal arteries of normotensive and hypertensive rats, 573

Renal function
The antihypertensive mechanism of verapamil: alteration of glomerular filtration rate regulation, 639
Atrial natriuretic factor in mild to moderate chronic renal failure, 483
Dietary salt produces abnormal renal vasoconstrictor responses to upright posture in borderline hypertensive subjects, 529
Diuresis and natriuresis during continuous dopamine-1 receptor stimulation, I-69
Effect of nifedipine on renal function in patients with essential hypertension, 452
Enalapril attenuates natriuresis of atrial natriuretic factor in humans, 160
Nifedipine enhances the vasodepressor and natriuretic effects of atrial natriuretic peptide, 34
Renal effects of amino acid infusions in patients with panhypopituitarism, 557 (CR)
Site of entry of kininase II into renal tubular fluid, I-66
Sodium responsiveness of central α_2-adrenergic receptors in spontaneously hypertensive rats, 326
Stress increases renal nerve activity and decreases sodium excretion in Dahl rats, 334

Renin
Abnormal regulation of adrenal angiotensin II receptors in spontaneously hypertensive rats, 49
The antihypertensive mechanism of verapamil: alteration of glomerular filtration rate regulation, 639
Characterization of recombinant human prorenin and renin, 713
Mechanism of inhibition of human renin by monoclonal antibodies, 209
Sodium sensitivity in human subjects: hemodynamic and hormonal correlates, 717

Renin-angiotensin system
Atrial natriuretic factor in mild to moderate chronic renal failure, 483
Brain renin-angiotensin: central control of secretion of atrial natriuretic factor from the heart, I-57
Captopril and the response to stress in the spontaneously hypertensive rat, I-144
Cardiopulmonary receptor modulation of plasma renin activity in normotensive and hypertensive subjects, 92
Characteristics of hormonal and neurogenic mechanisms of deoxycorticosterone-induced hypertension, I-172
The effect of captopril on renal blood flow in renal artery stenosis assessed by positron tomography with rubidium-82, 217
Effect of central serotonin depletion on blood pressure and the renin system in rats, I-190
Endogenous intrarenal adenosine preserves renal blood flow in one-kidney, one clip rats, 651
In vivo release of angiotensin II from the rat hypothalamus, I-158
Local generation and release of angiotensin II in peripheral vascular tissue, 223
Mechanisms underlying pressure-related natriuresis: the role of the renin-angiotensin and prostaglandin systems. State of the art lecture, 724
Purification and partial characterization of canine angiotensinogen, 21
Site of entry of kininase II into renal tubular fluid, I-66
Vascular and adrenal reninlike activity in chronically diabetic rats, 339

The ventrolateral medulla: a new site of action of the renin-angiotensin system, I-163
Renin inhibitors
Effects of the renin inhibitor A-64662 in monkeys and rats with varying baseline plasma renin activity, 613
A highly potent and long-acting oral inhibitor of human renin, 708
Renomedullary antihypertensive system
Activation of the humoral antihypertensive system of the kidney increases diuresis, 597
Reserpine
Antihypertensive drug side effects in the Hypertension Detection and Follow-up Program, II-51
Side effects of sympatholytic antihypertensive drugs, II-30
Resistant hypertension (*see also* Drug-resistant hypertension)
An algorithm for the management of resistant hypertension, II-101
Blood pressure monitoring outside the office for the evaluation of patients with resistant hypertension, II-96
Classification of resistant hypertension, II-67
Factors contributing to resistant hypertension: cardiac considerations, II-84
Factors that contribute to resistant forms of hypertension: pharmacological considerations, II-88
The patient with resistant hypertension: cations, volume, and renal factors, II-76
Prevalence of drug resistant hypertension, II-71
Resistant hypertension: introduction and definitions, II-65
Summary of the workshop: National Institutes of Health Workshop on Drug Side Effects, Drug-Drug Interactions, Drug Resistance, and Patient Compliance in the Management of Hypertension, II-106
Respiratory system
Tidal volume affects the response to inactivation of the rostral ventrolateral medulla, I-186

S

Salt (*see also* Sodium chloride)
Brain renin-angiotensin: central control of secretion of atrial natriuretic factor from the heart, I-57
Ganglionic immunoreactive atrial natriuretic factor in rat experimental hypertension, I-47
Review of salt restriction and the response to antihypertensive drugs. Satellite symposium on calcium antagonists, I-229
Serotonin
Converting enzyme activity and angiotensin metabolism in the dog brainstem, I-153
Effect of central serotonin depletion on blood pressure and the renin system in rats, I-190
Effects of prostaglandin $F_{2\alpha}$ on vasoconstrictor responses in the mesenteric vascular bed, I-108
Endothelium-dependent responses in carotid and renal arteries of normotensive and hypertensive rats, 573
Hypotensive spinal serotonergic effect: are S_1 or S_2 receptors involved? I-182
Regional vascular effects of serotonin and ketanserin in young, healthy subjects, 256
Serotoninergic mechanisms in hypertension: focus on the effects of ketanserin, 111 (BR)
Sympathetic stimulation and hypertension in the pyridoxine-deficient adult rat, 387
Sex differences
Race and sex differences in the correlates of blood pressure change, 249
Sex hormone modulation of ventricular hypertrophy in sinoaortic denervated rats, I-93
Smooth muscle (*see* Vascular smooth muscle)
Socioeconomic status
Race and sex differences in the correlates of blood pressure change, 249
Sodium
Altered erythrocyte and plasma sodium and potassium in hypertension, a facet of hyperinsulinemia, 71
Atrial natriuretic factor in mild to moderate chronic renal failure, 483
Enalapril attenuates natriuresis of atrial natriuretic factor in humans, 160
A higher cellular sodium turnover rate in cultured skin fibroblasts from blacks, 301
Hypertension, non-insulin-dependent diabetes, and intracellular sodium metabolism, 264
Intracellular sodium and the response to nitrendipine or atenolol in African blacks, 100
The patient with resistant hypertension: cations, volume, and renal factors, II-76
Peptide hormones and the regulation of sodium excretion, 397 (CR)
Plasma kinin concentration in deoxycorticosterone-salt hypertension, 411
Renal nerves and the development of Dahl salt-sensitive hypertension, 523
Sodium depletion increases platelet and plasma catecholamines in hypertensive men, 477
Sodium sensitivity in human subjects: hemodynamic and hormonal correlates, 717
Sodium channel blockers
Effect of 6-iodoamiloride in various models of experimental hypertension, 445
Sodium chloride
Dietary salt produces abnormal renal vasoconstrictor responses to upright posture in borderline hypertensive subjects, 529
Genetics and salt modulate renal responses to atrial natriuretic factor, 745
High NaCl diet reduces hypothalamic norepinephrine turnover in hypertensive rats, 55
Impaired release of atrial natriuretic factor in NaCl-loaded spontaneously hypertensive rats, 739
Lingual epithelium of spontaneously hypertensive rats has decreased short-circuit current in response to NaCl, 519
Papillary collecting tubule synthesis of prostaglandin E_2 in Dahl rats, 179
Role of cellular calcium in salt sensitivity of patients with essential hypertension, 703
Role of pressor prostanoids in rats with angiotensin II-salt–induced hypertension, 758
Sodium intake
Plasma and urinary catecholamines in salt-sensitive idiopathic hypertension, 312
Sodium responsiveness of central α_2-adrenergic receptors in spontaneously hypertensive rats, 326
Stress increases renal nerve activity and decreases sodium excretion in Dahl rats, 334
Sodium-lithium countertransport
Hypertension, non-insulin-dependent diabetes, and intracellular sodium metabolism, 264
Sodium-potassium ATPase inhibitors
The effects of urinary digitalislike factor on cultured vascular smooth muscle cells, 645
Sodium-potassium cotransport
Hypertension, non-insulin-dependent diabetes, and intracellular sodium metabolism, 264
Sodium transport
Sodium transport kinetics in erythrocytes from spontaneously hypertensive rats, 41
Sodium transport parameters in erythrocytes of patients with primary aldosteronism, 141
Special reports
Some highlights of the Fourth Joint National Committee Report on the Detection, Evaluation, and Treatment of High Blood Pressure, 560 (SR)
Sphygmomanometers
A comparison of the random-zero and standard mercury sphygmomanometers, 269
Recommendations for human blood pressure determination by sphygmomanometers: report of a special task force appointed by the Steering Committee, American Heart Association, 209A
Spinal cord
Converting enzyme activity and angiotensin metabolism in the dog brainstem, I-153
Effect of central serotonin depletion on blood pressure and the renin system in rats, I-190

Hypotensive spinal serotonergic effect: are S_1 or S_2 receptors involved? I-182
Spontaneously hypertensive rats
Abnormal regulation of adrenal angiotensin II receptors in spontaneously hypertensive rats, 49
Biological variability in Wistar-Kyoto and spontaneously hypertensive rats, 106 (L)
Captopril and the response to stress in the spontaneously hypertensive rat, I-144
The central pressor effect of bradykinin in normotensive and hypertensive rats, I-126
Contractile response of spontaneously hypertensive rat caudal artery to phorbol esters, I-112
Effect of 6-iodoamiloride in various models of experimental hypertension, 445
Effects of arterial vasodilators on cardiac hypertrophy and sympathetic activity in rats, 376
Effects of moderate diabetes on cardiac performance in spontaneously hypertensive and Wistar-Kyoto rats, 344
Endothelium-dependent responses in carotid and renal arteries of normotensive and hypertensive rats, 573
Enhanced phospholipase C activity in the vascular wall of spontaneously hypertensive rats, 28
Evaluation of medial hypertrophy in resistance vessels of spontaneously hypertensive rats, 198
Ganglionic immunoreactive atrial natriuretic factor in rat experimental hypertension, I-47
High NaCl diet reduces hypothalamic norepinephrine turnover in hypertensive rats, 55
Impaired release of atrial natriuretic factor in NaCl-loaded spontaneously hypertensive rats, 739
Increased α-adrenergic receptor affinity in resistance vessels from hypertensive rats, 635
Lingual epithelium of spontaneously hypertensive rats has decreased short-circuit current in response to NaCl, 519
Long-term captopril treatment: angiotensin II receptors and responses, I-148
Pressor mechanisms linked obligatorily to spontaneous hypertension in the rat, 427
Renal cortical and papillary blood flow in spontaneously hypertensive rats, 657
Role of the sympathetic nervous system in blood pressure maintenance and in the antihypertensive effects of calcium antagonists in spontaneously hypertensive rats, 360
Sodium responsiveness of central α_2-adrenergic receptors in spontaneously hypertensive rats, 326
Sodium transport kinetics in erythrocytes from spontaneously hypertensive rats, 41
Stop-flow experiments
Site of entry of kininase II into renal tubular fluid, I-66
Streptozotocin
Diabetes mellitus and hypertension. State of the art lecture, I-14
Stress
Captopril and the response to stress in the spontaneously hypertensive rat, I-144
Race and cardiovascular reactivity: a replication, 308
Stress increases renal nerve activity and decreases sodium excretion in Dahl rats, 334
Stroke-prone spontaneously hypertensive rats
Endothelium-dependent and endothelium-independent vasodilation in resistance arteries from hypertensive rats, 440
High potassium diets protect against dysfunction of endothelial cells in stroke-prone spontaneously hypertensive rats, 579
Peptide-containing nerves around blood vessels of stroke-prone spontaneously hypertensive rats, I-117
Sulindac
Antagonism of antihypertensive drug therapy by nonsteroidal anti-inflammatory drugs, II-4
Sympathetic nervous system
Assessment of human sympathetic nervous system activity from measurements of norepinephrine turnover, 3 (BR)
Characteristics of hormonal and neurogenic mechanisms of deoxycorticosterone-induced hypertension, I-172
Constricting and stiffening action of atropine on aortic response to angiotensin in dogs, I-103
Contrasting reflex effects of chemosensitive and mechanosensitive vagal afferents, 674
Diabetes mellitus and hypertension. State of the art lecture, I-14
Dynamic cardiovascular responses to infusions of atrial natriuretic factor in humans, 537
Effects of arterial vasodilators on cardiac hypertrophy and sympathetic activity in rats, 376
Peptide-containing nerves around blood vessels of stroke-prone spontaneously hypertensive rats, I-117
Potentiation of sympathetic nerve responses to hypoxia in borderline hypertensive subjects, 608
Pressor mechanisms linked obligatorily to spontaneous hypertension in the rat, 427
Role of the sympathetic nervous system in blood pressure maintenance and in the antihypertensive effects of calcium antagonists in spontaneously hypertensive rats, 360
Side effects of vasodilator therapy, II-34
Sympathetic stimulation and hypertension in the pyridoxine-deficient adult rat, 387
Tidal volume affects the response to inactivation of the rostral ventrolateral medulla, I-186
Vascular and sympathoadrenal responses to bradykinin and a bradykinin analogue, 754
Vasopressin and arterial pressure regulation. Special lecture, I-25
Sympatholytic drugs
Side effects of sympatholytic antihypertensive drugs, II-30

T

Tail-cuff method
An impedance method for blood pressure measurement in awake rats without preheating, 371
Taste buds
Lingual epithelium of spontaneously hypertensive rats has decreased short-circuit current in response to NaCl, 519
Tetradecapeptide
Mechanism of inhibition of human renin by monoclonal antibodies, 209
Theophylline
Endogenous intrarenal adenosine preserves renal blood flow in one-kidney, one clip rats, 651
Thromboxane
Altered excretion of prostaglandin and thromboxane metabolites in pregnancy-induced hypertension, 550
Role of pressor prostanoids in rats with angiotensin II-salt–induced hypertension, 758
Role of thromboxane A_2 in the hypotensive effect of captopril in essential hypertension, 147
Thyroid
Effects of thyroid function on blood pressure: recognition of hypothyroid hypertension, 78
Thyroparathyroidectomy
Hypotensive action of parathyroid hormone in hypoparathyroid and hyperparathyroid rats, 509
Tidal volume
Tidal volume affects the response to inactivation of the rostral ventrolateral medulla, I-186
Tonin
Formation of angiotensin II by tonin-inhibitor complex, 63
Triglycerides
Altered erythrocyte and plasma sodium and potassium in hypertension, a facet of hyperinsulinemia, 71
Troponin T
Vascular smooth muscle calponin: a novel troponin T–like protein, 620
Tumors
Total plasma dopamine/norepinephrine ratio in catecholamine-secreting tumors: its relation to hypertension, I-202
Tyramine
Regional vascular effects of serotonin and ketanserin in young, healthy subjects, 256

U

Uric acid
Altered erythrocyte and plasma sodium and potassium in hypertension, a facet of hyperinsulinemia, 71

V

Vagus nerve
Contrasting reflex effects of chemosensitive and mechanosensitive vagal afferents, 674
Vascular capacity
Direct effects of α_2-adrenergic receptor stimulation on intravascular systemic capacity in the dog, 352
Vascular reactivity
Area postrema ablation and vascular reactivity in deoxycorticosterone-salt–treated rats, 668
Long-term captopril treatment: angiotensin II receptors and responses, I-148
Vascular resistance
Autoregulation of the systemic circulation in conscious rats, 685
Clinical pharmacology of calcium antagonists. Satellite symposium on calcium antagonists, I-222
Evaluation of medial hypertrophy in resistance vessels of spontaneously hypertensive rats, 198
Functional versus structural changes of forearm vascular resistance in hypertension, 320
Hypertensive mechanisms associated with centrally administered aldosterone in dogs, 750
Renal cortical and papillary blood flow in spontaneously hypertensive rats, 657
Sodium sensitivity in human subjects: hemodynamic and hormonal correlates, 717
Vascular smooth muscle
Altered biochemical and functional responses in aorta from hypertensive rats, 627
Effect of 6-iodoamiloride in various models of experimental hypertension, 445
The effects of urinary digitalislike factor on cultured vascular smooth muscle cells, 645
Endothelial communication. State of the art lecture, 563
Evaluation of medial hypertrophy in resistance vessels of spontaneously hypertensive rats, 198
Increased α-adrenergic receptor affinity in resistance vessels from hypertensive rats, 635
Vascular smooth muscle calponin: a novel troponin T–like protein, 620
Vascular tissue
Local generation and release of angiotensin II in peripheral vascular tissue, 223
Vasoactive compounds
Phenylpropanolamine and other over-the-counter vasoactive compounds, II-7
Vasoconstriction
Altered excretion of prostaglandin and thromboxane metabolites in pregnancy-induced hypertension, 550
Angiotensin analogues that selectively augment the force of contraction of the isolated heart, I-38
Constricting and stiffening action of atropine on aortic response to angiotensin in dogs, I-103
Contractile response of spontaneously hypertensive rat caudal artery to phorbol esters, I-112
Dietary salt produces abnormal renal vasoconstrictor responses to upright posture in borderline hypertensive subjects, 529
Effects of prostaglandin $F_{2\alpha}$ on vasoconstrictor responses in the mesenteric vascular bed, I-108
Regional vascular effects of serotonin and ketanserin in young, healthy subjects, 256
Vascular and sympathoadrenal responses to bradykinin and a bradykinin analogue, 754
Vasodilation
The antihypertensive mechanism of verapamil: alteration of glomerular filtration rate regulation, 639
Effect of 6-iodoamiloride in various models of experimental hypertension, 445
Effects of arterial vasodilators on cardiac hypertrophy and sympathetic activity in rats, 376
Endothelium-dependent and endothelium-independent vasodilation in resistance arteries from hypertensive rats, 440
Evaluating hyperfiltration with glycine in hypertensive rats with renal ablation, I-33
Factors that contribute to resistant forms of hypertension: pharmacological considerations, II-88
Functional versus structural changes of forearm vascular resistance in hypertension, 320
Partially endothelium-dependent vasodilator effect of adenosine in rat aorta, 514
Regional vascular effects of serotonin and ketanserin in young, healthy subjects, 256
Renal effects of amino acid infusions in patients with panhypopituitarism, 557 (CR)
Side effects of calcium channel blockers, II-42
Side effects of vasodilator therapy, II-34
Vasomotor tone
Tidal volume affects the response to inactivation of the rostral ventrolateral medulla, I-186
Vasopressin
Baroreceptor reflex modulation by vasopressin microinjected into the nucleus tractus solitarii of conscious rats, I-75
Brain renin-angiotensin: central control of secretion of atrial natriuretic factor from the heart, I-57
Captopril and the response to stress in the spontaneously hypertensive rat, I-144
Characteristics of hormonal and neurogenic mechanisms of deoxycorticosterone-induced hypertension, I-172
Contractile response of spontaneously hypertensive rat caudal artery to phorbol esters, I-112
Contribution of vasopressin in dexamethasone-induced hypertension in rats, I-42
Diabetes mellitus and hypertension. State of the art lecture, I-14
Effects of atrial natriuretic factor and vasopressin on cyclic nucleotides in cultured kidney cells, 392 (RC)
Implication of leumorphin in inhibitory control of vasopressin secretion in conscious rats, I-80
Peptide hormones and the regulation of sodium excretion, 397 (BR)
The role of vasopressin in blood pressure maintenance in diabetic orthostatic hypotension, I-217
Vasopressin and arterial pressure regulation. Special lecture, I-25
Vasorelaxation
Endothelial communication. State of the art lecture, 563
Ventricular function
Effects of moderate hypertension on cardiac function and metabolism in the rabbit, 416
Left ventricular function in mild hypertension after adrenergic blockade, I-98
Ventricular hypertrophy (*see also* Cardiac hypertrophy)
Diltiazem and left ventricular hypertrophy in renovascular hypertensive rats, 495
The heart in hypertension: unresolved conceptual challenges. Special lecture, I-19
Is there a relationship between ambulatory intra-arterial blood pressure and left ventricular function? 464
Sex hormone modulation of ventricular hypertrophy in sinoaortic denervated rats, I-93
Supernormal contractility in primary hypertension without left ventricular hypertrophy, 457
Ventricular mass
Labetalol blunts morning pressor surge in systolic hypertension, I-198
Ventricular pressure
Effects of moderate diabetes on cardiac performance in spontaneously hypertensive and Wistar-Kyoto rats, 344
Verapamil
The antihypertensive mechanism of verapamil: alteration of glomerular filtration rate regulation, 639

Clinical pharmacology of calcium antagonists. Satellite symposium on calcium antagonists, I-222
Extent of baroreceptor resetting in response to sodium nitroprusside and verapamil, I-121
Side effects of calcium channel blockers, II-42

W

Whole-day blood pressure
Whole-day blood pressure, 288 (CC)
Wistar-Kyoto rats
Activation of the humoral antihypertensive system of the kidney increases diuresis, 597
Biological variability in Wistar-Kyoto and spontaneously hypertensive rats, 106 (L)
Effects of moderate diabetes on cardiac performance in spontaneously hypertensive and Wistar-Kyoto rats, 344

Y

Yohimbine
Direct effects of α_2-adrenergic receptor stimulation on intravascular systemic capacity in the dog, 352
Role of the sympathetic nervous system in blood pressure maintenance and in the antihypertensive effects of calcium antagonists in spontaneously hypertensive rats, 360